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f Students, Room 3-108,
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CAMBRIDGE

SERVICE
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POPULAR PRICES

ty First Always
THAT'S
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Boylston Street
nt to Fraternity Men

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Half & Half.
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even the last one.

American Tobacco Company

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RETTE

10 CENTS
PAY NO MORE

DAILY TECH

FINAL
3 A. M.

Special Edition

MAY 2, 1936

Price, 10 Cents

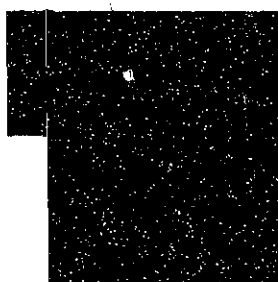
1,200 DANCING; 0 GLOOMY AT I.F.C. DANCE IN STATLER

Last Minute Shot

(Story on Page 2)



Picture Taken This Evening in Statler at I.F.C. Dance



FRAT MEN MAKE MERRY

PEEMAN STANDS FAST FOR TEACHERS OATH

ADVOCATES SUPPORT OF BILL

"Those who make such damnable opposition to the Teachers' Oath Bill should be classed as outlaws, aliens, and communists, and should be deported from this fair land of liberty which our fathers strove in the past to protect," said Harold A. Peeman, upstanding American citizen, in an interview with a photographer from The Tech this morning.

Mr. Peeman, interrupted in the midst of preparations for one of his numerous skiing trips to the White Mts., rubbed his hands through his magnificent head of hair, thereby dislodging two irate robins, and went on to say: "In America we must fight to thwart any attempt to propagandize our American youth with subversive ideas of communism, alcoholism, free-love, betting on the horses, or worst of all, Magounism.

"One of the most direct methods which our legislators have of accomplishing this desirable ideal is by use of the Teachers' Oath Bill, recently passed by the patriotic lawmakers of the Commonwealth of Massachusetts.

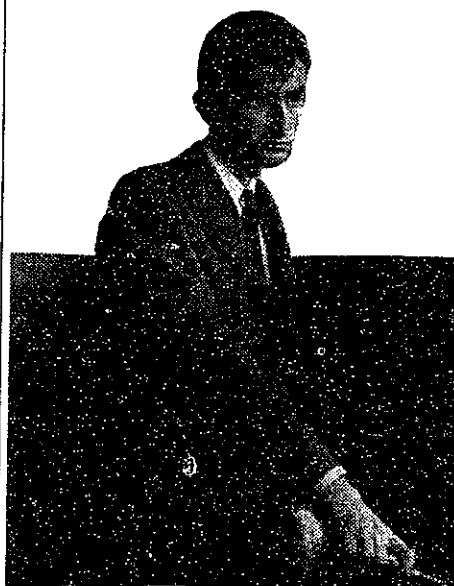
"Unfortunately, certain misguided elements which seek to replace our democratic government with some form of foreign despotism

(Continued on Page 6)

FLASH!

A last minute news flash from the Faculty Committee on Undergraduate Courses (commonly called "curses" by the undergraduates) reveals that all Saturday classes have at last been abolished. In fact, there will henceforth be no classes on Friday or Monday either, in order to give the students a chance to recuperate after the strenuous week-end. The committee announced that there will be no real change in the amount of knowledge the students get out of the class work, since they will now be sleeping at home instead of in class.

True American



Harold Peeman

Seek Austin For Frauds

Scandalous conditions of graft and corruption in high office were revealed today when police began an intense search for John C. Austin, '36, absconded class president. Sensational charges were contained in an Indian blanket indictment of Austin six hundred sheets long.

Crimes of which he was accused included fraud, embezzlement, obtaining money under false pretenses, misdemeanor in high office, misappropriation of public funds, and reading the Boston Evening American.

Suspicion of Austin was first aroused shortly after he had been a principal figure in collecting funds for establishing dinghy racing as a sport at the Institute. At the time figures were given to the press which now prove to be entirely erroneous.

It is claimed that the class president made a false statement of the cost of building the boats, and in this connection investigation is being undertaken to determine if the Herreshoff Ship Yard is guilty of aiding and abetting as well as collusion.

Shortly after the announcement of the awarding of the contract, Austin

Eane Hits Tech Edits Gets Medal

"The editorials in The Tech are the woofiest creations ever conceived by human uningenuity," laughingly stated Professor Gangue Gerr Eane at the beginning of his after-dinner speech last night at The Tech Banquet. A roar of applause from the editorial staff greeted this remark, and Mart Gork, the big-shot in the editorial room, tipped over his whiskers.

(Continued on Page 5)

OFF TO RUSSIA



New dinghy in which J. C. Austin, Senior President is believed to have escaped the country.

purchased a new car and an entirely new spring wardrobe (he has for long been addicted to clothes). On one occasion recently he was seen to light an enormous and obviously expensive cigar with a one hundred dollar bill.

"It was all I had with me at the time," he stated.

(Continued on Page 6)

COUPLES TRIP LIGHTLY TO NELSON MUSIC

Dancing to the tuneful cacaphony of Ozzie Nelson's dance orchestra, 500 couples thoroughly engaged themselves tonight in the serious business of having a good time at the Imperial Ballroom of the Hotel Statler.

Harriet Hilliard, more or less widely known as a radio singer, and more recently as a cinema star, using her vocal talents to assist Ozzie in his attempt to make his music heard over the sounds of revelry. The orchestra is scheduled to desist from its syncopated bleating at 2:00 o'clock.

Ozzie's band was rated second favorite dance orchestra in a poll of the Dormitories and Fraternities in which the orchestras were listed in the following order: Ray Noble, Ozzie Nelson, Casa Loma, Benny Goodman, and Isham Jones.

In charge of the dance this year is a committee composed of David Varner, '36, chairman, Thomas Nelligan, '36, William Garth, '36.

(Continued on Page 6)

TECH YOUNGEST STUDENT REACHES TENTH BIRTHDAY

Youngest student ever to enter the Institute is Francibus "Bernie" Pann, whose birthday celebrated May 1 is the tenth of a series begun by him a number of years ago. "I chose May," he says, "because there is a certain distinction inherent with the month. It is suited to one."

Asked what he thought of the Institute, "Bernie" affirmed, "Nowhere does one meet with such wholehearted co-operation of the faculty. Why, when an unexpected business engagement prevented my keeping an appointment with one of my young ladies, Prof. Roget insisted on taking my place. So well did he succeed that the young lady reported herself well satisfied with the arrangement. She was pleasantly surprised to find that unlike Harvard professors, he did not eat crackers."

Asked about free love, Francibus sneezed and coyly fluttered his left eyebrow. "There must be moderation in everything," he declared. "One lives, but there is a definite relation

(Continued on Page 4)

GUESTS ARRIVING



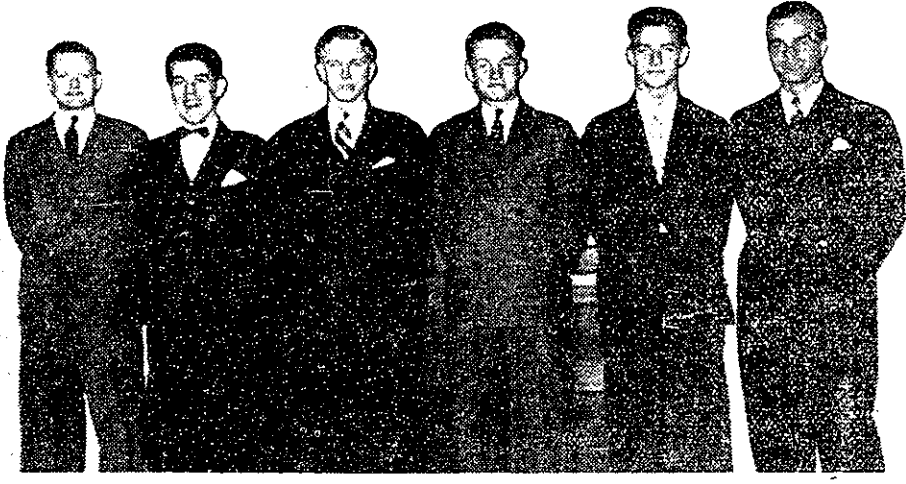
Bernard Riddell, Dorothea Buros, Grace MacDonald, Robert Pierce

CHARMING



HARRIET HILLIARD
who sings the choruses with Ozzie's orchestra.

COMMITTEE



OZZIE NELSON

who sets the time for his orchestra and for dancers tonight in the Statler.



THEY ARE Left To Right:

INTER-FRATERNITY CONFERENCE

- William W. Garth, '36
- Thomas P. Nelligan, '36
- David E. Warner, '36
- Gordon C. Thomas, '36
- William J. McCune, '37
- Alfred E. Busch, '37

MORE GUESTS



CAUGHT

At the risk of the lives three Tech photographers.



Man About Town

By Dan Fasters

"I knew I'd get here, if I wrote hard enough," stated president-elect Bobby Blodgers, to a group of eager reporters at the Union Pacific terminal yesterday, as he was leaving Chicago for his home in Speedunkville, Mass.

Blasee Bobby, as he is known at home, has worked for thirty years, since 1922, for the Worst papers of the United States, and, as he himself says, "The way I got where I am now was by supporting not what was right but what most of the goofs wanted. Ha. Ha. Ha."

Hearsay has it he's a smooth, sleek, slicker, that fellow Bobby, and, besides being a hell of a good eater himself, he knew how to feed it to the governor of the home state when he was nothing but an insignificant columnist on the Worst papers of Speedunkville.

However, he's no longer the pushing type, or at least that's what the outgoing President, Bim Burleigh, intimated when he said in his farewell address, "I am being succeeded by a fine guy, folks, and one who'll surely cater to your wishes, if you'll promise to re-elect him. That's my private opinion, anyway, because, if you want to know a little secret, he worked for me for thirty years and did a hell of a good job."

Well, he's President now and we can't do anything about it. But there might be some hope, because he used to be an English Prof. at the Speedunkville Seminary, and English profs are notoriously upright. However, the president-to-be is one of those vague and uncertain types, or at least so he impressed the reporter. In fact, he never did get around to saying goodbye at the station. He just said, "Or at least so to speak, you know what I mean undoubtedly, but, rather," and the train was out of sight around the bend before he finished.

STUDENT REACHES TENTH BIRTHDAY

(Continued from Page 2)

between conservation and distortion of a finer viewpoint which no educated man can neglect."

Asked to explain more fully, Francibus brought the matter closer to home by specific examples. "The matter is closely akin to the selection of fine timber," he explained, "one neglects for the present the poorer and the finer material and uses with moderation the average quality. But for really fine work, when one's heart beats with the

INTIMATE CHATS

By Lottie Sechs

Dear Aunt Lottie:

I am deeply in love with a man who claims to be a professor at M. I. T. How can I tell if he is? I mean how can a girl be sure?

Ize Quare Dar.

Dear Ize:

Ask him about the Teacher's Oath. If he tells you, he is probably a masquerading Massachusetts legislator; if his answer is something no nice girl would pretend to understand, then he is a teacher, and probably at M. I. T.

Auntie.

My Dear Miss Sechs:

I am a brownish hued satchel carrier at a famous technical institution in Cambridge which I shall forbear mentioning. I am enamoured of a young woman but find that studies require a major portion of my opportunities, or do you know what I mean. Please advise.

B. Rownbag Err.

Dear Brownie:

Hell, flunk the course. Opportunity never scratches twice.

Lottie.

Dearest Lottie Wottie:

I am a young student (male-ish) at Technology. The woman simply won't let me alone, and really I am at a loss, I mean what would you do, I mean, oh, dear . . .

Herman.

Dear Herm:

Don't be a germ. Pish and tush. I just washed my hair today, and can't do a thing with it.

L. Sechs.

Dear Miss Sechs:

I am a professor at the M. I. T. and cannot make up my mind to go into politics.

A Professor.

Dear Prof.:

With all the practise you must have had at slinging the warm atmosphere in classes, you are sufficiently prepared. You will find it different, however, because the pay is better and the students can answer back.

Sechs.

Dear Lotte:

thrill of an artist, and one's hand has the master's touch, one selects a really fine specimen, hitherto unhewn.

"Just," he declared, "just look at the co-eds!"

PHYSICS DEPT. LEAVES STUTE

Following the decision of the faculty to cut the number of units of freshman Physics from 11 to 5 (in connection with the change in the number of class days per week) The Tech has learned that the Physics Department has decided to move out, lock, stock, and barrel to roost at the joint up the river, "Where we will be properly appreciated," as Professor Fears so quaintly put it.

Take This Women

Daily True Story

Like the playful touch of a vagrant spirit, night wind caressed her hair, carried its fragrance into his consciousness, an exotic background for thoughts that were not far from divine. He felt the warmth of the still-hearth, heard the wind in the trees, the w-like the questioning beat of a new born heart.

He watched the moon, copper face sagged, peered like any common thief through the branches of trees across the lake. And then she and the far and strange were displaced by near and intimate.

"Christine." He breathed her name, prayer delivered up to gods far older than "Christine, I love you."

Silent, she moved into his arms, and her heart throbbing, throbbing. He felt the tancy of her breathing, as if the sudden, accelerated business of living were causing frail perfection to vibrate.

He was suddenly conscious of wild exultation. No longer did the fear that she might love and V. Rains obsess his every waking moment. She would be his, Harold Saygoat's, and he thrust his tongue under the nose of the scilious Rains and say "Fie".

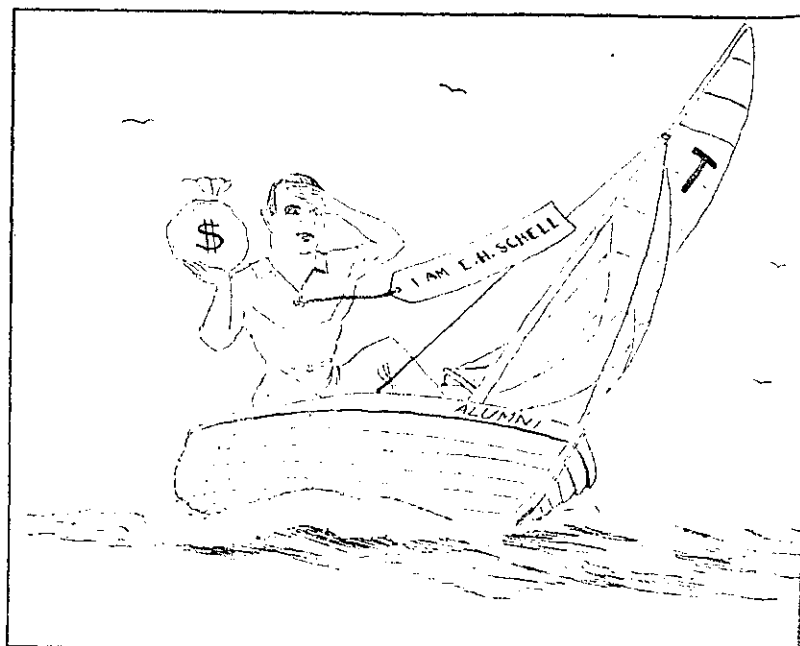
Passion arose in an overwhelming flood, engulfed him. He pressed his lips against her eyes, her ears, the smooth perfection of throat where it flowed into a virginal she like rich cream into an alabaster vase. She and the universe shuddered in sympathy, murmured low, and his ears strained as words might spell life or death.

"Christine," he queried tenderly, "will you marry me?"

The ruby lips parted, and somewhere in the lake soft bells chimed an accompaniment.

"I'm dam' sorry," she replied, the words coming as beautifully as the flight of the wild. "Because for a Harvard man you have a swell technique, but last night Harry was with the slide rule that he uses at Tech, and was so intrigued by the blame thing that he married him on the spot."

Seeking More Wind To Fame



PROFESSORS IN DINGHY RACES

TARBOARD WINNER IN 1st

udent racing of dinghies got off an excellent start today when Professor Phineas P. Starboard won first student race to be raced. Sailing hard in his rear was Professor Bottle O. Port who took second place. Owing to a luff in his sail, Professor A. Lee was only able to finish in third place.

Other students entered in the race included Professor Z. Bitter Squall, Professor Bell O. Buoy, '93, Professor Walter Tackle, '64 and Professor Benjamin Tiller, '72.

Previous to the start of the race Professor Bow N. Stern addressed the gathered assemblage. He emphasized the value of sailing to students and pointed out that a greater understanding and mutual co-operation would be the inevitable. When he concluded the gathering broke up and the aforementioned students took their places in the boats, many of the student spectators leaving to attend a Faculty meeting, while the rest remained to see the race on shore.

Considerable excitement reigned among the group of spectators during the race. They included Professor Jammer T. Davit, '37, Orville P. Sprit, '37, Plimsoll L. Ine, '38, Mortimer M. Keel, '36.

Two freshmen (class of 1939) who watched the race in a rowboat caused considerable discussion, and Professor A. Lee says that he will claim this distraction put him off his race to give him only a third position.

"I cannot understand," said Professor Lee, "why these obviously outsiders were allowed to enter the basin at all. Those men should have been home studying, and throughout the race I could think of nothing else."

He will file a formal protest Monday with the racing committee consisting of the following: Professor A. Water, Professor Boom B. Professor Sentir Board, and Professor Varsity P. Dhingy.

When the boats returned to the basin, the students entered in the

A. S. U. SEEKS RECOGNITION FROM INSTITUTE COMMITTEE

DEAN LOMBELLI CLAIMS "STUDENTS SOFTENING"

ADVOCATES MORE PH. TR.

"It is a deplorable statement of truth that Tech students are rapidly becoming soft, flabby, and less resistant in general," stated Dean Lombelli yesterday at the group meeting of the freshman gym team in Walker, just previous to the taking of the Technique group picture.

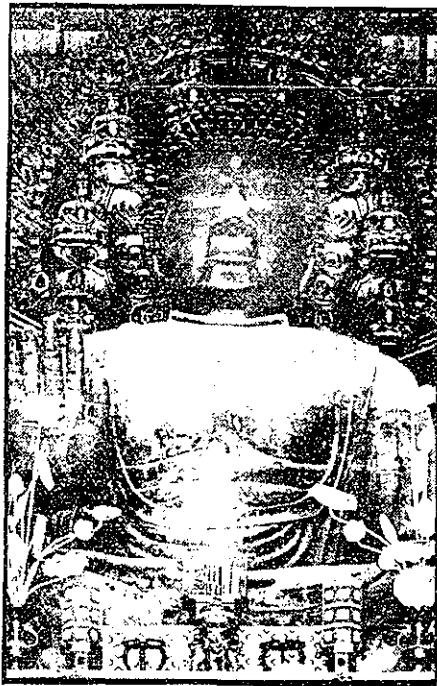
Lombelli, himself an enthusiastic wielder of the dumbbell, launched into a veritable tirade against the "gradual undermining and degeneration of the students' physiques," and advocated that immediate measures be taken by the corporation to provide for two hours each day of compulsory physical training for every student at the Institute, as well as those members of the faculty not yet past eighty-two years of age. In the Dean's opinion, "eighty-two years is the youthful portion of man's life, or should be, if the world would only come to a realization of its great corruption and would make an earnest attempt to reform."

A little confusion resulted when Lombelli, attired in the usual gym garb, insisted on being included in the group picture. However, Kindhardt, ubiquitous Tech photographer, solved the problem by offering to take a solo of the Dean. The Dean, profuse in thanks, accepted, with the words, "I am glad that all Technology will see me as I am, powerful, unflinching, striving for an ideal."

The Dean compared himself to Joan of Arc and Gene Tunney.

After the race sang "Take Me Back to Tech". Considerable merriment was aroused by Professor Dhingy, after whom the boats have been named who quipped, "Yacht to sing the Stein Song."

MUSCLE MAN!



Shot of Athletic Dean Taken by
TECH photog, Kindhardt

EANE HITS TECH EDITS

(Continued from Page 2)

key and soda with his enthusiastic clapping.

When the tumult had subsided, Prof. Eane continued: "Gee whiz, how can those guys think up such rot is beyond me. They never give any space to calm philosophical reflection on the major problems of the world, or comment on what goes on at the Institute. Instead they fill those two columns with the darndest red propaganda in a filthy attempt to subvert the minds of the hundreds of upright young American children at the Institute. Where in heck they dig up that palaver, that stinking honest-to-goodness excrementia, I can't imagine (cheers from forty mouths). Sugar, I feel real mean talking this way about the rag, but it's the downright truth." He sat down, his face wreathed in smiles.

At this point Ben Sueder, manager

PRICE, LOWE, RETHORST IN FRONT RANK

Recognition of the American Student Union as an organized feature of student life seemed imminent today when President of the A. S. U., Charles B. Price, '36, made known his plans to re-apply to the Institute Committee.

Price, not a member of the A.S.U. when it first applied unsuccessfully for recognition, says that he has always been cognizant of the fact that such an all American institution could be of value to Technology.

"I was never so enthusiastic about anything in all my life," said Price. Price's warm spirit led him originally to join the organization, and was chiefly responsible for his election to its presidency.

Two other warm supporters have come to the fore in this titanic struggle; they are Brenton W. Lowe, '36, and Scott C. Rethorst, '36.

"I am all hot and bothered," said Lowe, "to think that the A.S.U. has not yet been recognized. Something is rotten in Denmark, or at least the Institute Committee."

Rethorst has been active for many weeks now passing out handbills containing propaganda said to be effective in gaining recognition.

"This was entirely my own idea," stated Rethorst to the press. "The subtlety of these handbills is not quickly apparent, but when you consider deeply that they contain only the simple phrase, 'Should the A.S.U. be recognized? Yes.' Then the true force is obvious."

When asked for a combined statement for the press, Price, Rethorst and Lowe issued the following: "Hello, mamma, Hello, papa. It was a hard fight but I'm glad I won."

of the mob, rose and, weeping with joy, he said, "Professor Eane, we newsies have for a long time seen in you a firm friend, but never, never did we realize. God damn it, we're going to give you a Tech charm, to remember us with." With these words he pinned a medal on the lapel of the Professor's coat, while forty voices shouted, "For he's a jolly good fellow" and Prof. Eane wiped his eyes with a lilac handkerchief.

TECH IS HELL

THE ONLY ROAD

Walker was built before the world war. At the time, the attendance at Technology was meager. There was the "chapel" where the students could get real food, and beer. **SO WALKER WAS BUILT**; not the tremendous structure it should now be, but a puny hut, where steaming caldrons are at present preparing grub for the boys.

BUT GRUB IS NOT THE ONLY NECESSITY. We need water, lots of it. We want to swim in the winter. **AND WHY NOT? FISHES DO.**

We propose to get construction of an addition to Walker under way as soon as possible with the money available. We can build the **FIRST TWO INCHES** with the sum now in storage. This fact was revealed to us by the economic balance class under the youthful guidance of Mr. Gunner. And, it has been calculated by the freshman math class, that in twenty-five years, the intergrated addition to Walker will have been completed.

RAISE YOUR BANNERS MY FRIENDS. Strike for the first two inch Walker addition. Down with the first pile for the new structure. Awake ye sons-of-guns. We want a swimming hole in Walker. The Institute for Students.

BIGGER AND BETTER

COMMUNISM IS ON THE MARCH!

Nothing can hold back this greatest, most glorious movement in American history!

With the brilliant, cogent, omnipresent and unassailable ideology of the **THIRD INTERNATIONAL** to lead the way, America will again take its place at the forefront of the World's nations!

Russia, long the unwilling leader in this most necessary movement in the history of the World, gladly gives way to the mighty impetuous of the American rush to the van!

AMERICANS! THE WORLD CALLS TO YOU FOR LEADERSHIP!

A New Era has arrived! No more shall we be plagued by the vile pusilanimous machinations of the **WICKED WOLVES OF WALL STREET.** Wall Street is no more!!

That Sink of Iniquity has at last been rinsed — those Augean Stables have been cleansed!

All hail to the new Boulevard Karl Marx!

ALL HAIL TO COMMUNISM!

OPEN FORUM

Fallen Arch, Wis.

April 25, 1936

To the Editor of the Daily Tech:

May I call your attention to a statement appearing in your paper about a month ago which seems to me to be wholly unappropriate and disgraceful to Technology. I have written repeatedly to the Dean of the Institute but have received no answer.

An editorial entitled "Veritas" appeared in your paper on March 19 which brands your publication as a paper of low moral tone exerting a detrimental influence upon Tech students. In this editorial the expression "Fides et Veritas" appeared, in bold print, the words spelled out with no attempt at disguise. I feel that when Faculty and students permit such disgusting language to be used in a publication bearing the name of the Institute, matters have come to a dreadful point.

Personally, I do not know what that indecent expression means. But that is beside the point. I know enough of the character of young America to suspect that such a disgusting phrase has some immoral connotation. I feel that something should be done to check this sort of thing.

Signed,

EROL S. FUZZBOTTOM, '63

OATH BILL IS DEFENDED BY PEENAN

(Continued from Page 2)

have labored to oppose the enforcement of the bill."

Asked what he thought of the Veterans of Future Wars, recently established here, Mr. Peeman replied, "This patriotic organization is attempting to practice true 100% Americanism. As an expert economist, I can modestly state that their policy is entirely sound. By modifying the velocity of money, they will help raise the rediscount rate and thereby increase the flow of credit. When their plan is put into practice, they will greatly aid in the return of prosperity.

"They are merely following out that rugged individualism that made America what it is."

Mr. Peeman willingly expressed his opinion of those who refused to co-operate with the Teachers' Oath Bill administrators, pointing out that the "standard deviation of the supply curve of these radical agitators is such as to cause them to expect to excite popular response by making martyrs of themselves.

APPREHEND STROVI

(Continued from Page 1)

was interrupted in his nefar by the posse.

He stated threatenly that



Stephen Strovissky, Russian agent, caught by police last after long search.

have accomplished his schem ago if it hadn't been for the fa the aisles of the Institute w heavily guarded with United troops.

He will come on trial tomor

SEEK AUSTIN

(Continued from Page 2)

Since one of the dinghies is ing, police believe that Austin tempting to head for the op with the idea of landing in where it is said he has many Sic transit gloria Austin.

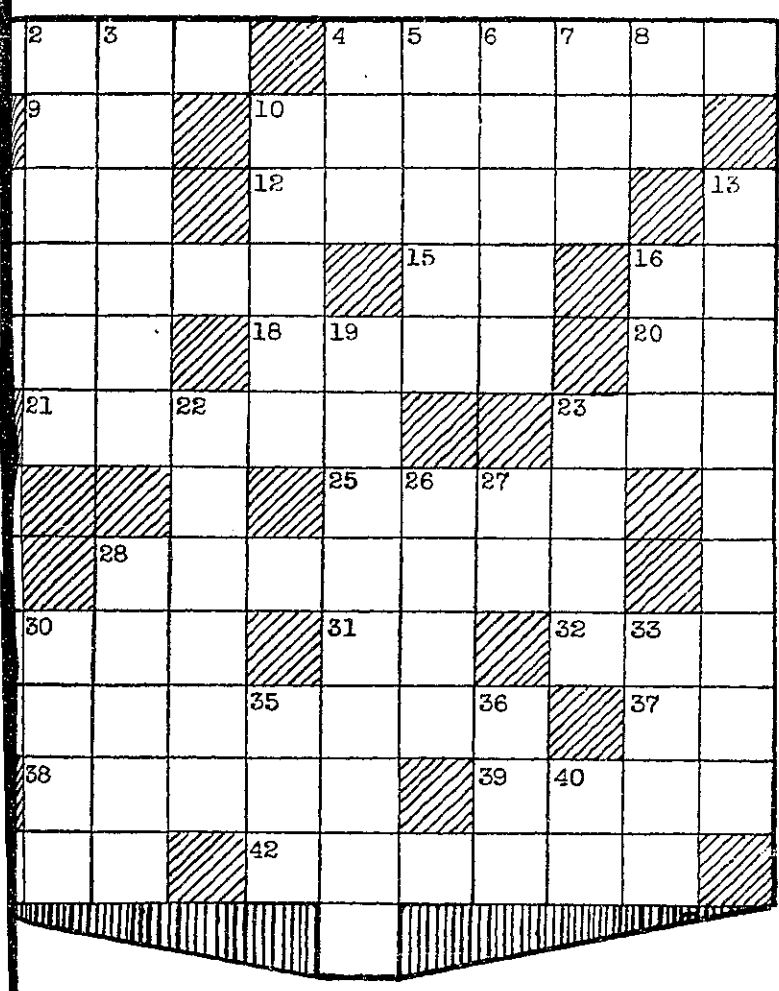
I. F. C. DANCES TO NELS

(Continued from Page 2)

Gordon Thomas, '36, Alfr Busch, '37, and William McCu

The cumulative effect of tor dissipations and the bizarre d strations of tomorrow's Open is guaranteed to leave anyone indulges in the festivities t full with a size 15 head. But thoughts should have no place minds of any of our readers t (or should we say this mor so, "On with the dance!"

ROSSWORD PUZZLE



HORIZONTAL

- 1. Bottom.
- 2. A hill.
- 3. Beginning of a kiwi.
- 4. Products.
- 5. Small monkeys.
- 6. Occupied.
- 7. Tracked.
- 8. A wu.
- 9. A fellow.
- 10. Totus.
- 11. A time.
- 12. A sniff.
- 13. Symmetry.
- 14. Aveyance.
- 15. A Jova see OPATA.
- 16. A traffic.
- 17. A people go.
- 18. A specimen.
- 19. A god.
- 20. A carriage.
- 21. A nuts.
- 22. A through New York.
- 23. A backwards.
- 24. A you did in the graveyard.
- 25. A half of 23 vertical.
- 26. A th.

VERTICAL

- 1. Reversed top of North America.
- 2. Easily.
- 3. What people go to.
- 4. A dog.
- 5. Apples prevent doctors these.
- 6. Related to mouse.
- 7. Real stuff.
- 8. Idsy.
- 9. Prefix to sing.
- 10. Accident.
- 11. Animal.
- 12. Does things to you.
- 13. What a lion is.
- 14. First half of 41 horizontal.
- 15. Inverted whoopee.
- 16. Symmetry.
- 17. Not a Farnese state.
- 18. Not related to a three toed monkey.
- 19. Medical term.
- 20. Almost nullified.

DISCOVER BODY IN MAIN LOBBY

DOMES SEEN IN CHINA

Reported missing several years ago following the prophecy of our own Professor Phlank that it was rapidly sinking, and subsequently reported as "found" in China, the Institute's dome is now well on the way back toward its original resting place, the top of Building Ten.

It will be remembered that a year ago the Chinese people were amazed to see the lower rim and finally the whole of the dome appeared in the middle of one of the streets in downtown Tien-Tsin.

For a time, the local government solved the problem of what to do with it by using it as a bowl with which to feed China's teeming millions.

After being used for this very worthwhile purpose for several months, Chinese physicists observed that the dome was beginning to leave them. Investigation showed that the dome had acquired an acceleration equal to f over m , and was returning with increasing rapidity to the region whence it came.

Told of these developments by The Tech, Professor Phlank held out small hope for the dome's staying long with us, saying that it was undoubtedly performing simple har-

INSTITUTE Denies EXISTENCE

Institute workmen this morning removed the body which has been hanging from the candelabra in the Main Lobby for the last two weeks. The object was first discovered by a co-ed who happened to be lying on her back directly beneath it. However, Institute authorities denied its existence, declaring it to be a by-product of the freshman physics lectures and entirely unsubstantial.

Authoritative sources believe that this is the source of the odor which has permeated the corridors for several weeks, and the National Student League is understood to be dropping its suit against Lever Brothers and Swift's, Inc., for "odiforating with malicious intent aforehand". Those who have viewed it, describe the body as "queer, with different parts much the same". The rope which encircles what the Institute Committee voted at their last meeting to call "the neck", has been traced to the Harvard Cooperative Society where it was used to tie up profits.

monic motion, and could be expected to persist in these oscillations until such time as f no longer equalled $m a$. From the way he made this sad announcement it was obvious that he held out no hope for this eventuality.

Reveal New List of Student Standings

A completely new list of comparative ratings has recently been released by the records office hereby nullifying all previous ones this term.

Dormitory men are setting a new all time peak of brown-bagging while the curve of the fraternity ratings has nearly dropped out of sight.

When asked for his reflections on the matter, last night, Professor Blubber E. Dodgers stated, "While it don't really matter how ya guys stand in wid da dean, I still tink da guys from the frats is on da level. Dem's da real McCoy."

A reporter of the Daily Tech in an interview with Professor Foreign R. Sueis asked Sueis how he interpreted the marked decline in the general fraternity average and the corre-

sponding rise in the Dormitory average.

"Ta h—I with the general averages. They are irrelevant, immaterial, redundant, inconsequential, inefficacious . . . and don't matter," came Sueis' retort.

Denton W. Cloe, Vice-President of the Institute Committee said to reporters this morning in his Dormitory room, "I think there is some dirty work going on in the records office." Cloe requested that he not be quoted.

Mr. Joe B. BeGinnin, registrar of the Institute, has nothing to say to Cloe's accusation. "This will have to be handled through the News Service," was all that reporters could get from him.

COMPARATIVE SCHOLASTIC STANDINGS OF FRATERNITY AND DORMITORY UNDERGRADUATE GROUPS AT M. I. T. (As of April, 1936)

Comparative Standing		Increase over 1935	Increase over 1934
Based on April, 1936 ratings)			
Fraternity Seniors	4.56	*0.01	*0.02
Dormitory Seniors	4.57	0.01	0.02
Fraternity Juniors	3.45	*0.10	*0.23
Dormitory Juniors	3.46	0.10	0.23
Fraternity Sophomores	2.34	*1.21	*1.55
Dormitory Sophomores	2.35	1.21	1.21
Fraternity Freshmen	1.23	*3.77	*3.77
Dormitory Freshmen	5.00	0.00	0.00
Fraternity Average (Fraternity)	1.56	*2.56	*3.56
Dormitory Average (Dormitory)	4.56	2.56	3.56
Indicates decrease			

25,00

Model Of Pr
Cape CanalAccurate Scale Rep
Of Conditions Of
Accomplish

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ture are reduced to less
of concrete, while the
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huge model of the Car
being exhibited by the C
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Building 21. The mode
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The model is a workin
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One hundred and fifty
the model represents ei
anal, one square mile
Bay, and eleven square
ards Bay.

This is the first time ti
has been shown to the
though parts of it were
last year's Open House,
Buzzards Bay had not be
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completion in November.
seen only by small gro
(Continued on Pa
Cape Cod Can

Special Appara
Test Milk, Su
Building 4 BSacharrimeters, Po
Measure Concent
Of Solution

Instruments and appa
used in the analysis of f
seen this afternoon in th
Room 4-067. Most of thes
instruments at present b
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that measure from the
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This laboratory also cor
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paratus for finding out th
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may be seen. The amou
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of two percent, and many
determinations are even
rate.

Glass-Blower Ma
Complex Tube

Complicated laboratory
ing blown under intense h
and ground by Mr. James I
Institute's expert, takes p
today in Room 6-120, bea
man Lecture Hall. All
blown is distributed to vis
The Physics Department
hibiting apparatus used
the mysteries of radio-a
stances, under the supervis
Professor Robert D. Evans,
407. Among the exhibits a
ser counter, cosmic ray
and the instruments used
ous rays emitted by the e
dium.

FASTER
THAN NEWS

FIRST IN AMERICA—Exclusive Wired Photographs
from any part of the country to the DAILY TECH exactly 24
hours ahead of time. Wherever the news breaks, The TECH
can now get the pictures before the news breaks.

A CLEAN
BEAT

TOMORROW

By Arthur Izzapane

Murder

Again we have before us the day's
news. And again, what do we see?
The day's news! A man killed his
wife! A woman killed her husband!
In England they would hang them
both. Here they will both be let free
(they may never be arrested) and
the woman will make \$500,000 out
of the publicity. Something ought to
be done about it. Here I have been
killing reputations of the great and
the near great for the last fifty
years, and what have I got out of it?
Callouses on my finger tips from
pounding the typewriter!

More Murder

But the great American public
always has followed the right
path in this matter. There should
be more and better murders. It is
well to encourage this method of
depopulating the world. At the
last census there were only 300,-
000 murderers in the country.
There must be more! Our popula-
tion is increasing at an alarming
rate! We will soon be piled 10, 50,
even 100 deep all across the fair
expanse of this vast country if
this tendency to overpopulation is
not at once countered by some
stronger tendency to depopula-
tion. We must decrease! "De-
crease or be decreased!" should
be the cry on every man's tongue.

May Day

Again we hear of the preparations
for the great day of labor so wisely
set aside by the gentle Bolsheviks in
their endeavor to build a better
world for the worker. And again we
cannot fail to be impressed by the
wisdom displayed by Comrade Stalin
and his compeers on the Executive
Board of the Commune. It is wise
and fitting that a day should be set
aside to demonstrate to the world
the solidity of the Communist Inter-
national. The World must be shown
that the Revolution was not in vain.
The dictatorship of the proletariat
has progressed to such a stage in
Russia that the workers can take a
day off from their toil for rest. This
is Progress! It is time that we in
America awoke to the fact that it is
only under the beautiful Crimson
Banner that we can progress. Only
under Communism can we have the
perfect state. Only if we follow the
precepts of Marx and the dictates of
the Red Square can we arise from
the slough in which we are wallow-
ing and ascend to a newer, better
state.

Tomorrow's
Pictures

The Tech announces a new photo
service — tomorrow's pictures with
today's news — consistent with its
policy of giving the news before it
breaks.

This new service is made possible
by the inventive genius of a Tech-
nology senior. A device called the
photofutuamera is brought where
the novadetector, the Tech's news
forecaster, indicated an important
event.

The Phitftcmr (as its inventor af-
fectionately calls it) broadcasts the
statement that cosmic rays do not
exist. The angered rays, to prove
that they exist, and to prove their
cosmossitude act on a film in the
device, recording pictures of events
before they occur. Only The Tech
offers thhis astounding service.

Uncover
Bomb
Plot

NEWS FLASH: Mofia, May 1 (OP)
—Last night at 1:30 o'clock Stephen
Strovissky, age-long enemy of the
international police, was hemmed in
and seized by a local posse at his
hang-out on the outskirts of Mofia,
Mass.

The accompanying wire-photo of
Strovissky, for fifteen year an ac-
tive promoter of covietism in this
country, was a clean beat of fifty-
nine seconds over the next fastest
newspaper.

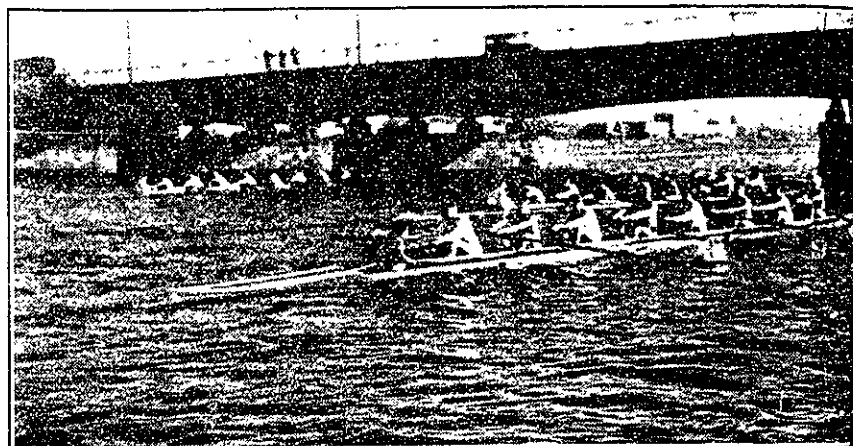
The Russian secret agent has
done much to give soviet principles
a firm foundation in the United
States.

It was revealed last night that
Strovissky was just preparing to
send out a party to plant a bomb in
the Massachusetts Institute of Tech-
nology in preparation for their an-
nual Open House, on May 2, when he

(Continued on Page 6)

DAILY TECH

M.I.T. LOSES COMPTON RAC



This exclusive picture which came in last evening on the Daily
new photofutuamera is of the Technology crew coming in last in tomo
Compton Cup race.

STORY LATER



Above is a photo which came in on the photofutuamera last night
the direction of the Tech Dorms. Read the Daily Tech tomorrow for
complete news story as soon as it breaks.

DO SEE SCIENCE ON PARADE

Proposed Shown

Representation Nature

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Uniformed Freshmen Posted To Give Guests Information

The entire freshman class with the exception of those who are taking part in the freshman hobby exhibit are stationed around the Institute in their R. O. T. C. uniforms to direct visitors and answer questions. In order further to help visitors in obtaining information, members of the instructing staff are identifying themselves by wearing white carnations, members of the reception committee are wearing maroon carnations and red and silver striped badges, and members of the Open House Committee are wearing "Committee" badges.

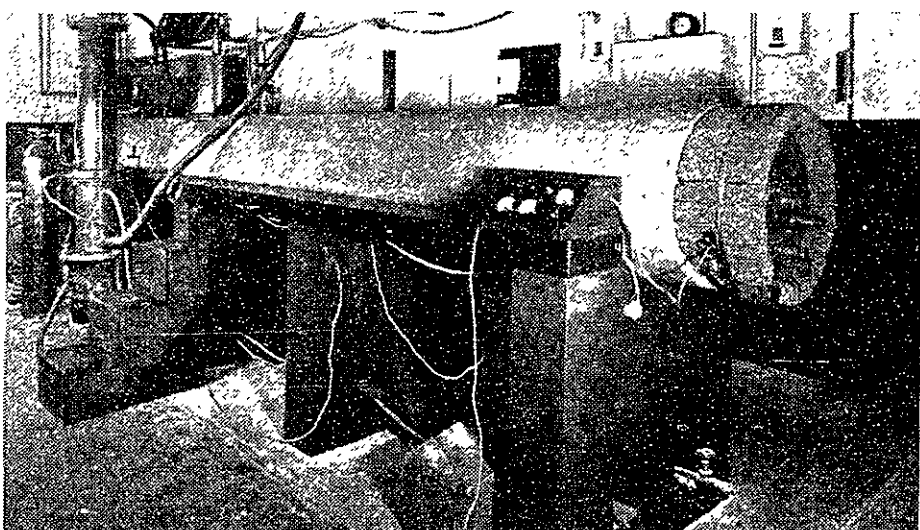
Dinghy Race 1:30 Today On Charles

Race To Show Visitors Newest Sport; Dinghies Also Race Brown

Prominent among the outdoor exhibitions today is a dinghy race, staged by the newly-formed M. I. T. Nautical Association and scheduled to take place between 1:30 and 2:30 in the afternoon on the lower Charles Basin.

The race, not part of the series to determine the intercollegiate teams (Continued on Page 2)
Dinghy Race

Vacuum Spectrograph



Courtesy of the Technology Review

The great 21-foot vacuum spectrograph in the Spectroscopy Laboratory; designed by Professor George R. Harrison, director of the laboratory.

Especially Built Laboratories Hold Unique Apparatus For Spectroscopy

Located in an enclosed court entered from the basement of Building 6, the Spectroscopic Laboratories of the Institute provide unique facilities for research. The building housing the laboratories, entirely separate from any other structure, is very heavily insulated against vibration and temperature changes. Three heavy doors must be passed before entrance into the laboratories is gained.

Two huge grating spectrographs in the laboratory are among the powerful instruments for spectroscopic research. These gratings of 36-foot and 21-foot radius together with a 21-foot vacuum spectrograph, machines for accurately and rapidly measuring spectral lines, microphotometers and other pieces of apparatus constitute facilities more complete and accurate (Continued on Page 10)
Spectroscopy

Manufacture Of Gold Carried On In 4-431

Process Is Taken From Diary Belonging To Old Monk

Executing again the experiments of an ancient alchemist, Alpha Chi Sigma, the honorary chemical fraternity, will demonstrate a method of making gold from base metals in Room 4-431 from 2:00 until 6:00.

Records of the discovery of a process of making gold from copper have been found in the diary of a monk who worked about 750-760 A. D. and apparatus has been set up to repeat the experiment. The entire operation may take the whole afternoon, but those who wish to have the apparatus described to them are requested to come at any time to inspect the work that is being done.

Free Seals Given Visitors By The Metals Laboratory

Souvenir Technology seals are cast while you wait at the Metals Laboratory in Building 35 across Vassar Street behind the main building.

There is to be a continuous showing of welding processes including spot, flash, and arc welding as well as demonstrations of flash cutting.

Seven Foot Sparks Leap From Model Van de Graaff High Voltage Machine

Ear-splitting cracks from electric sparks seven feet long issue from Room 6-107, where Dr. John G. Trump is demonstrating a small model of the huge high voltage generator, invented by Professor Robert J. Van De Graaff.

The large generator, located at Round Hill, Mass., consists of two huge spheres connected by a vacuum tube. Each of the globes is fifteen feet in diameter and is mounted on top of insulated columns six feet in diameter and twenty-three feet high.

The model on display today, although considerably smaller, is of similar construction. The artificial "lightening" is under the direct control of the demonstrator, who, holding in his hand a grounded baton, is able to lead the long sparks about within a limited radius.

The accompanying photograph is one taken at Round Hill of the full scale generator and was made during a trip taken there last fall by a group of students from the Physical Society.

Technology Is Host From 2 to 10 P.M.; Laboratories Open

Freshman Exhibit Features Hobbies

Ship Building and Model Air- craft Included; Many Models Shown

An interesting and varied hobby exhibit, planned and set up entirely by freshmen, and consisting of material submitted by members of the class of '39, occupies the first two floors of Building 2.

Harold R. Seykota, general chairman, with the assistance of a committee of more than 100 men, and advice from Dr. Arthur C. Watson of the English Department, has organized a large exhibit portraying the activity of Institute freshmen in extra-curricular activities. In a number of separate displays, the following hobbies are featured: ship-building, aeronautics, radio, photography, glass working, collecting, lens grinding, petty-point working, and metallurgy.

Ship-building Exhibit

The ship-building exhibit, which includes several large and intricate models of boats, also features a group of models powered by steam, compressed air, and gasoline in actual operation in a large tank. One or two models are shown under construction.

The aim of the glass working exhibit is to contrast the amateur and the professional methods used in glass working. The processes of grinding, polishing, figuring and testing lenses, mirrors and optically flat surfaces, and the silvering processes for mirrors are shown.

The still exhibit, including collections of stamps, coins, maps, weapons and minerals, also features a display of handiwork called petty-point and explains the process.

(Continued on Page 7)
Freshman Hobby

Engineers Demonstrate Latest Scientific Achievements

Many Exhibits Being Shown; Guests See Athletic Events

Institute Welcomes All; The Tech Erects Radio To Aid Visitors

The Institute's halls are once again crowded with eager, curious throngs, and the air is filled with the hum of activity, for today Technology presents its thirteenth Open House.

A miniature broadcasting system is operating, seven-foot sparks leap about in a laboratory, chemists demonstrate how to make gold from copper, freshmen are exhibiting their hobbies. From 2 o'clock to 10 o'clock, visitors and students alike hurry about anxious to see these and the many other interesting exhibits.

Athletic Events

Technology today has extended all its efforts to show the public the latest developments in science in a comprehensive way. To add to the interest of all are the athletic events taking place throughout the day. Descriptions of these events and of the many exhibits are being broadcasted by The Tech on a public address system.

This review of science in a day is (Continued on Page 2)
Open House

Chemistry Department Conducts "Cold Light" Experiment In 4-270

Glowing Of Substances Under Ultra-Violet Light Also Shown

Light from a cold solution, substances that give off fluorescent light in the presence of ultra-violet rays, freak compounds that change color when breathed upon, all this is a part of the exhibition of the Chemistry Department, and may be seen in Room 4-270. Alice T. Hunter, '36, is the demonstrator.

The light produced from the mixing of cold chemicals is bright enough to permit the reading of a newspaper, but the temperature of the mixture does not rise a degree.

"Brownian Movement" Projected On Screen

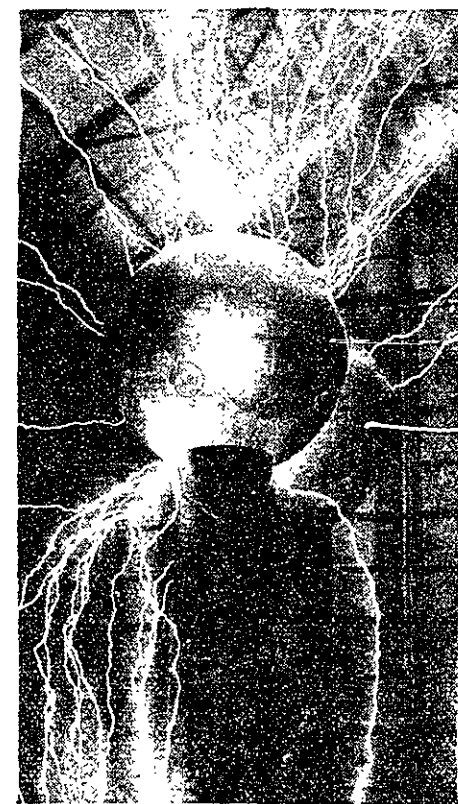
Dr. Hauser Exhibits Unusual Slides In Room 2-007

Working in the "World of the Neglected Dimension," Dr. Ernst Hauser has constructed several unusual exhibits including one through which the audience may see "Brownian movement," in his laboratories in Room 2-007.

The Brownian movement of particles in Latex is projected on a screen and many of the very exact microscopes that are used in this research (Continued on Page 2)

Colloidal Chemistry

Electrostatic Sphere



Staff Photo

Development of Prof. Van de Graaff exhibited today

Broadcasting Is Demonstrated In Radio Laboratory

Other Devices Of Electrical Nature Exhibited With Radio Station

Stethoscope Is Novel Feature

A miniature broadcasting system, an electrical stethoscope, ultra-short wave transmitters and a demonstration of the transmission of sound on light waves are some of the interesting exhibits to be seen in the Communications Laboratory, Room 10-385, today.

The broadcasting set-up, which comprises model transmitter and receiver operating on regular broadcast frequencies, is to be in operation throughout the day.

Included in this display of electrical devices is an electrical stethoscope which is used to amplify sounds which are not loud enough to be heard by the human ear. Thus visitors to the laboratory may hear the beating of their own hearts. The apparatus consists of a sensitive microphone-amplifier system.

Sound Waves Reflected

An ultra-short wave directional transmitter is used to demonstrate some of the interesting properties of high frequency sound waves. In one case the waves are directed against a metal plate and reflected to a detector placed some distance behind the transmitter and plate. When the metal plate is removed the signals are received by the detector. In another experiment the detector excites a light beam which shows the standing waves set up by the transmitter.

The reproduction of sound under different conditions is another of the exhibits in the Communications Laboratory. This exhibit shows the use of baffle boards in loud speakers to obtain high fidelity reproduction. It also shows how the reproduction varies with waves of different frequencies. The sounds to be reproduced originate in a phonograph or are wired in direct from a radio studio.

The transmission of light on sound waves consists of a light source modulated by amplified voice and transmitted to a photo-electric cell where the electrical vibrations are amplified and reproduced in sound.

In addition to the radio exhibits in the Communications Laboratory is the sending and receiving station in Technology's radio shack. The shack is open to the public all day. All types of transmitters are in operation; in particular are the 20-meter and 5-meter phone. The 5-meter transmitter is in contact with several other 5-meter sets located about the campus.

Cross-section of Oil Field is Exhibited

The petroleum exhibition, under the direction of Leon C. Avondoglio, '37, on display in Room 8-210, is an eight by four-foot representation of a cross section of a typical oil field.

The model shows the different sand and limestone formations underneath the surface of the earth and also shows three wells in operation, gas, oil, and water.

Colloidal Chemistry

(Continued from Page 1)

may be set up with interesting slides during the day. One of these instruments, the newest that have been made, has recently been received from Austria. It is extremely complex, including a versatile camera for taking pictures of objects under observation.

Brownian Movement in Milk
"Brownian movement" is the type of motion that keeps the small particles in milk from settling or rising to the top and is responsible for the colloidal conditions of gold suspensions and other particles which do not settle out in water.

New applications of principles learned in these laboratories are constantly being used commercially and heat-treated latex has only recently

Annual Technique Rush



Greasy fight for paddles, with year books for prizes

Technique Rush To Be Held At 3:30 Ten Paddles Objects of Free-For-All

Following the custom of former years, the staff of Technique, annual undergraduate yearbook of the Institute, will again present a Technique Rush for the pleasure of the students and visitors to the Institute.

The Rush will take place on the athletic field from 3:30 to 4:00 P. M., immediately after the track meet with Maine. The start of the Rush will be announced by a fanfare of trumpets, to be heard throughout the buildings.

Ten wooden paddles are the objects of the Rush. The first one will appear from some extraordinary place, at the sound of some signal, such as a gunshot. The other nine will be thrust upward one at a time through the roof of a small wooden hut, in the center of the field, while the students clamor over each other in a mad scramble

to gain the top of the hut and thus win the paddle. The hut is heavily smeared with thick oil and grease, so that the seizure of the paddles is made all the more difficult.

To the winner of the first paddle will go a prize of five dollars and a free copy of Technique. Each of the other winners will receive one of the 400-page yearbooks as prizes.

The first paddle has appeared from strange places in the past. One year it was neatly tied to the thigh of one of the Tech Chorus girls, and last year it was dropped from an airplane onto the field. The struggle for the succeeding paddles usually takes a long time, but the excitement is high, and in the scramble to win the top of the hut many of the competitors are usually divested of parts of their clothing.

Inorganic, and Physical Chem. Labs. Open Today

Practically every chemical laboratory in the Institute is open for inspection for visitors and several of them will be open for work by students.

The research laboratories in each of the five floors of the south end of Building 6 have clear glass windows and visitors are invited to inspect the work being done from that point since much of the apparatus might prove dangerous. Several of these rooms may be open for visitors, however, since many private displays that are too numerous to be listed are being planned.

Gigantic Machines Crush Steel Beams

Tests on structural building materials are going on all day long in the Testing Materials Laboratory in Building 3, where reinforced concrete steel is crushed, steel beams are smashed, and wooden beams are broken by the Institute's gigantic testing machines.

Students in this course learn how to test all types of commercial building materials, from bricks to beams, in order to ascertain their suitability for use in various types of constructions.

been developed.

It is this unusual size that brings the name "Neglected Dimension" to colloidal chemistry since for a long time nothing was known about these particles although larger than most microscopic objects, but small enough so that they are not readily observed with the unaided eye.

Freshman Lecturers Speak On Chemistry

Lecturing on subjects they have been studying, eight freshmen give three one-hour lectures with experiments effectively illustrating their points. The lectures will be held in Room 10-250 starting at 2:00, 5:00 and 8:00.

The speakers will each have ten minutes, five speaking at each lecture; in that way each man will not be required to talk every time. Franklin N. Bent, '39, will tell about the "Gases of the Air"; Edward P. Bentley, '39, "Nitrogen Fixation"; Joseph J. Donovan, '39, "Hydrogen Peroxide"; James E. Hawkes, '39, "Thermite"; Millard B. Hodgson, Jr., '39, "Time Reactions"; Richard S. Leghorn, '39, "Combustion"; Harry J. Mason, '39, "Fire Extinguishers"; and Philip H. Weatherill, '39, "Chemical Indicators."

Fireworks Display In Welding Lab. Tonight

A veritable shower of fireworks will issue forth this evening at dusk when the Welding Laboratory gives its demonstrations of spot, arc, and flash welding. As the showers of sparks shoot out, Technology resembles a Mardi Gras on the Fourth of July. The Welding Lab is in Building 35 behind the Main buildings on Vassar St.

A paragraph in an announcement sent out to faculty members in regard to the annual formal Christmas party for members of the combined faculties of the University of Rochester reads: "Please take this notice home so that your wife may know about this affair."—The Campus.

Quartz Blowing Shown in Rm. 4-270

Mr. Wayringer's Handicraft Is Exhibited Today At 2:30, 4, 8 P. M.

Demonstrating many uses for quartz in articles that may undergo sudden temperature changes, Mr. Wayringer of the Department of Chemistry will mold quartz in several exhibitions, each of an hour, starting at 2:30, 4:00 and 8:00 P. M., in Room 4-270.

This work must be done at a temperature much higher than that at which gases can be blown, but Wayringer has developed ability that makes the blowing look quite simple.

An exhibit of his handicraft is on exhibition in the hall between the analytical laboratories connecting buildings 2 and 4. These are beakers, dishes, tubes, and more intricate apparatus, any of which might be plunged red hot into cold water with no danger of cracking or damage.

Dinghy Race

(Continued from Page 1)

representing Technology, is an exhibition to show visitors the newest of Institute activities.

This afternoon the Nautical Association will attempt to win its second intercollegiate victory at Brown University, Providence, Rhode Island. Warren Sherburne, Jr., '36, and Frank J. Mather, Jr., '36, will act as skippers for the Technology team.

Regatta May 10

The first large intercollegiate regatta to which nine colleges have been invited, will be held on the Charles, Sunday, May 10.

Sailing is a newly-inaugurated sport at the Institute. Thirty-six boats have been given by the alumni at a cost of \$500 each. More than 200 stu-

dents have registered their interest in this new activity. At present the dinghies are housed in the old boathouse near the Cottage Farm bridge during construction of a new boathouse which will be situated directly in front of Walker Memorial.

The new boat house will be open a summer long for the use of those who are taking make-up and special courses during the summer and also for the use of nearby resident students and alumni.

Open House

(Continued from Page 1)

the Institute's way of presenting its material achievement since its founding nearly seventy-five years ago. Entire arrangements have been made and are being carried out by the Combined Professional Societies. The exhibits and demonstrations are almost completely operated by undergraduates. Guides are in attendance to direct the visitors.

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NOW PLAYING

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"Weirdest drama of the season—thrilling."—Harkins, Boston Record.

Prices \$2.20 to \$.55. Balcony Special \$.25

CALL CIRCle 6919 for reservations.

Handsomely designed certificates of shares printed in green, black, and red were sold on the buyers' promise to pay a proportionate share of any deficit—not to exceed one dollar per share—and the issue of 150 certificates was oversubscribed on the first day of issue.

The Tech

Vol. LVI. MAY 2, 1936 No. 23
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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In Charge of This Issue:

Leonard A. Seder, '37, Managing Editor

WELCOME PUBLIC!

THIRTEENTH OPEN HOUSE

FOR the thirteenth time in its history, the Massachusetts Institute of Technology opens its doors officially to the general public. The Institute is in the midst of one of its annual show-offs at which laboratories, engines, motors, and exhibits are all set going at once to give a demonstration, the like of which even the most well-informed student or Faculty member has never seen before.

That fully twenty-five thousand visitors may in the course of this afternoon and evening inspect the displays, from the engines in the steam laboratory to the hobbies of the Freshman exhibit, is a conclusive proof of the interest that a technical institute can arouse in the general populace.

Some may be here, for the sake of another diversion; some may wonder if perhaps Technology should be the place to complete their education; still others will have come with the serious intent of studying the methods of the greatest engineering school the world can offer.

Whatever reason is responsible for this visit, Technology welcomes everyone.

To those who gasp in awe at the whirling of the wheels and the flashing sparks, let us give a bit of warning. Think not that a Technology man learns only which valve to turn and which coil to adjust; that is far from his worry, for not until he knows the why and wherefore of each separate bit of theory will he be a true graduate of the Institute.

Nor does the theory of the thing form the Tech man's only concern. He works when it is time to work, and works hard. He has to. But his social life and his activity ambitions are to him fully as important. The average Institute man is not a slave to recitation and study; that is for what is commonly termed the "brown-bagger." Technology has no lack of the life that makes its graduates fully qualified to take their places among the leaders of civilization.

DON'T LET THEM FOOL YOU

Although there will be some very interesting, elaborate, and astounding exhibits in sight today to you, our visitors, we feel that we should warn you that these demonstrations are not at all representative of everyday life at Technology. Open House is nothing more nor less than a modified form of a three-ringed circus, at which the spectacular and the amusing are given the greatest attention. With its present methods of conduction, it can be little else.

For this reason, we advise that all visitors watch the exhibits with the intention of getting all the amusement and excitement from them as possible, at the same time remembering that Technology is not always on display in this manner.

On every school day here, outside of this one, the Institute activities and functions are at a normal state of activity. Students pass

more or less quietly from class to class, the large research laboratories are open only to those seniors and graduates who are digging deep into research, visitors are an exception rather than a common occurrence, and the only place of great activity is the Main Lobby where the sale of publications and dance tickets and the conduction of polls take place frequently.

Ordinarily the spectacular happenings at the Institute are but occasional oases in the desert of long hours of study, prosaic research, and lecture on the theory of the past discoveries in science and engineering. But on one day in the year, the Technology students and Faculty forget the immediate work at hand, rig up some of the more spectacular of the experiments which have been gleaned from the last decade of scientific research and discovery, open the laboratories, steam up the engines, turn on the motors and invite John Public in to take a look.

As an exhibition and a show, Open House fills the bill very satisfactorily, but the visitor should take care that he realizes he is not getting a true cross-section of life at the Institute.

WE ARE HUMAN

We should like to further impress our visitors with the idea that, while there is found at Technology no end of scientific subdivisions—mechanical, chemical, electrical, aeronautical, mining, and all the rest—we of the undergraduate body are, after all, human beings. We should dislike very much to have our visitors go away with the idea that we are machines subjected day in and day out to such an atmosphere.

Perhaps you will not understand all the mechanisms that you see during the day and evening. Perhaps you will go away with the impression that Technology stands for nothing more than applied science and research. We therefore direct your attention to the Walker Memorial Building. This, more than any other unit in the Institute plant, belongs to the student body. Here are housed all the undergraduate activities and the gymnasium. It is here that the student comes for recreation.

There is no getting around the fact that Technology is giving its greatest service to the student body. To us it is a source of knowledge, ability, and self-reliance. There is another side of our undergraduate life which we wish to impress upon our guests. Undergraduate activities are an integral part of our daily existence. In our associations with other students for a common purpose not entirely related to the curriculum, we gain personality and character.

Open House is Technology's one chance to present to the world at large its show of science. However, we ask that our guests not forget that we of the student body are essentially parts of the whole scheme, and that it is our most earnest wish that you enjoy your visit here and go away fully appreciating the advantages that are ours alone, and fully aware of the factors which although in no way related to steam laboratories or textile machinery, also contribute to our finer sensibilities.

SHORTS

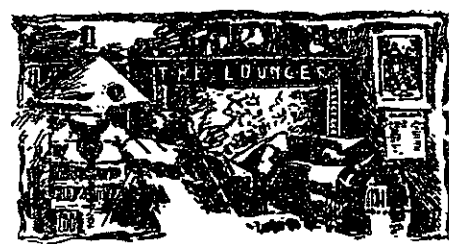
As every movie feature must be accompanied with several short subjects and news reels, so must the big feature of the Open House Demonstrations be supplemented by certain "added attractions."

The greasy, oily hut of the Technique rush has again been erected on Tech Field and covered with a new layer of oil to keep the contestants for this year's yearbook winners from reaching their goal too soon.

In the middle of the afternoon, the Technology crew will race with Harvard and Princeton crews in the Compton Regatta. In the Hangar and Walker Gymnasiums, on Tech Field and on Coop Field will be athletic games and demonstrations in boxing, wrestling, gymnastics, fencing, track, and lacrosse.

At about two-thirty in the afternoon the Sophomore English classes taking drama will present several plays in Room 2-190. All these events will be open to the visitors of Technology. We wish that you have a little recreation and amusement. When you are footsore from wandering from one exhibit, look in on one of these "added attractions" and recuperate as well as get a better balanced idea of the divisions of Technology.

In other words, "make yourselves at home."



Bedtime Stories

Once upon a time, we are told, there was a Technology man who did not proudly stand his girl in front of the biggest engine in the steam labs and say, "Oh yes, I ran some performance tests on this machine a while back, and found it quite inefficient." But that was long ago, and we think that he was not really a Tech man at all but a Harvard man who was visiting one of the co-eds.

We are great believers in truth. We feel that if a Tech man must stand his girl in front of an impressive machine he should tell the whole story about it. It might run something like this: "Oh yes, we ran performance tests on this engine last week, but I pulled my usual boner and left the dump valves open, and the rest of the fellows blame near paddled my pants off when they wanted to measure the water consumption at the end of three hours and found that there wasn't any water."

It is also very easy to remark in the Dynamo labs that you know all about electricity, but you do not add that you gained most of your knowledge the time that you put a voltmeter in series and a direct short across the line which blew circuit breakers clean through to the main board and gave your father an item of fifty dollars to discuss with you.

The chemists have their worries too, but there is something heroic about describing the time your preparation volatilized and cracked a steel plate half an inch thick. There really isn't much of the heroic about the mechanical labs. So we, who dabble in grease and integrals always envy the chemists and their retorts and smells for one day a year at least. And even the aeronautical wind tunnel, big as it is, doesn't look half as dangerous as a small bottle of concentrated sulphuric acid.

But the stories which occur with Open House visitors and improve in glib portrayal and harrowing detail as the freshman becomes a Sophomore and the Junior becomes a Senior are to be taken as, a Tech man takes a cultural course, not too seriously.

Welcome

In a much more serious vein than usual we open the door to our hideout on the tenth floor of Walker and invite all and sundry who chance by to drop in and watch a columnist at sleep. Once when we were a freshman we were discovered at work, and the fellow has been blackmailing us ever since. But miles and miles of Institute corridors will provide small incentive for visitors to watch someone else sleep, so we have little fear of being disturbed. So walk and observe and while you may know less about the advantages of a Technological school after Open House than before, remember that Technology is still a wonderful maze in which to deposit a mother-in-law. Have you seen the Hydraulic Labs?

Reviews and Previews

COLONIAL—The Great Ziegfeld, which outdoes all previous musical extravaganzas by its grandeur and sumptuousness, continues on into its third capacity week. The film is performed only twice daily, yet so great is the demand that all seats are reserved. William Powell has the title role, and as usual, he is always William Powell and never the character he enacts. Myrna Loy and Luise Rainer turn in fairly good performances as the impresario's wife and Anna Held respectively. But of course, the prime attraction of the picture is the girls and the featured players who do their bits in the film. Fannie Brice, Harriet Hoctor, and Ray Bolger are alone worth going to see even though the time allotted to each of them is too small. Personally, we feel that more of the latter and less Powell would have been better.

METROPOLITAN—Ina Ray Hutton and her Melodears, a favorite all-girl orchestra, is the feature on the

THE TECH Inquires

This column endeavors to solicit student opinion on questions of timely interest. Persons are chosen at random and interviewed by a reporter. Questions for this column may be submitted by readers. Open Forum comment on any question or the answers thereto will be welcomed.

Question: What purpose, in your opinion, does Open House serve?

Robert A. Jones, '38, XV, 19 Chapman Street, Canton: "It is undoubtedly good advertising, but it certainly is a bit deceiving to potential students. If the drama were more realistic instead of idealistic and romantic, the Institute could rightfully be proud of their presentation. But, as this would defeat the material purpose of Open House, I suppose that the deceptive art will continue as the underlying theme."

Harry E. Essley, '36, XV, 59 Bay State Road:

"Not only does Open House annually show some 25,000 of our neighbors what facilities for study and research exist at Tech, but it also opens to students doors which ordinarily shut out our curiosity concerning the research going on at the Institute."

Sam H. Seeleman, '36, VI, 71 Bay State Road:

"Open House acquaints laymen with popularized Technology pursuits, advertise the superiority of Technology educational facilities, gives students a chance to display their brain children, and serves as a perfect medium for a poster contest each year."

William G. Tuller, '39, VI-A, 48 Commonwealth Avenue:

"In my opinion, Open House serves two purposes. First, it advertises Technology. Second, it gives the men who are running the Institute, whether they be instructors, research workers, or whatever, a chance to show off what they are doing. Either of these purposes is a good enough reason for Open House."

Thomas P. Nelligan, '36, IX-B, 233 Massachusetts Avenue:

"Open House serves to acquaint the public not so much with the Institute but with the work being done here. It is an excellent publicity stunt incidentally, which is probably excuse for the bother involved."

John F. Allen, '39, VI-A, 266 Highland Avenue, West Newton:

"Open House serves the purpose of showing the public what M. I. T. is doing and how it has achieved its high reputation."

N. LeRoy Hammond, Jr., '38, I, 24 Kent Street, Brookline:

"Open House, in my opinion, serves merely to present the activities of those connected with the Institute, or in other words, to advertise M. I. T."

stage this week. Herbert Marshall, Gertrude Michael, and Lionel Atwill are featured in Till We Meet Again, a war spy story.

UPTOWN—These Three, a superior screen adaptation of a superior play, starring Miriam Hopkins, Joe McCrea, and Merle Oberon. The co-feature is Sutter's Gold with Edward Arnold in the title role.

BOSTON—Irene Bordoni, famous Parisian star, Hal Le Roy, gangling dancer extraordinary, and Joe Morrison, singer, head a new revue entitled "Hollywood Holiday." Richard Dix is a one-man crusade against hoodlumism in his latest film, Special Investigator, current here.

PARAMOUNT AND FENWAY—Boris Karloff frightens again in The Walking Dead, featuring Marguerite Churchill and Ricardo Cortez. Irvin Cobb stars in the co-feature Everybody's Old Man, a down-to-earth bit reminiscent of the films of the late Will Rogers.

MEMORIAL—The Ex-Mrs. Bradford, starring William Powell and Jean Arthur has been extended a second week's engagement because of its success. The rest of the program includes Everett Haydn at the organ and the latest issue of Pathe News.

MODERN—These Three, Lillian Hellman's adaptation of her famous play, The Children's Hour, is the main attraction here; the co-feature is Al Jolson in The Singing Kid.

Wellesley House Appears In Model

Architectural Student Drawing And Activities Shown In Variety

Exhibition of work done by various classes on the Technology Laboratory House, a dwelling designed and to be constructed by Technology students on a lot in Wellesley already purchased is featured by the Department of Architecture, City Planning, and Architectural Engineering. This is located in Building 2, first floor.

The building of this house represents an attempt to coordinate actual construction work with the ordinary courses in drafting.

Drawings Shown

The first semester work demonstrating preparation for this project consists of a group of selected drawings dealing with the fundamentals of architectural drafting, dimensioning, construction and orientation. Second-year work demonstrates the progressive stages of the house plans, from the most elementary ones to the present virtually completed working drawings. A scale model of the house as it will appear is to be shown. This exhibit has been arranged by Edward M. Bridge and Robert C. Dean, instructors in the Department of Architecture. Courtland C. C. Hill, '40, and Andre F. Leman, '40, are in charge.

The committee in charge comprises: for Architectural Design: George N. Lykos, G; John A. Valtz, '36; Sydney B. Karofsky, '37; Benjamin W. Irwin, Jr., '38; John C. Heintzelman, '39; Courtland C. C. Hill, '40. Free Hand Drawing: John P. Allen, '36. Color: John T. Murphy, '36. Model: Conover Fitch, '38. European Civilization and Art: James J. Souder, '36. Extra-curricula activities: Arthur H. Alexander, '38.

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DIRECTORY of EXHIBITS

The following directory is intended to aid those visitors who desire to proceed through the buildings, or a part of them, in order. By means of this listing, one may learn exactly the nature of the display on the particular floor of the building in which he is located.

Some attempt has been made to emphasize those exhibits which should not be missed.

BUILDING 2, BASEMENT

Chemical Engineering; Colloidal chemistry, 2-007.

BUILDING 2, FIRST FLOOR

Architecture: Designs, drawings, modeling, full length portrait.

Chemical Engineering: Laboratory thesis and research demonstrations. Recent chemical developments, exhibits.

Mathematics: Exhibits of computing devices, popular lectures, 2-170.

BUILDING 2, THIRD FLOOR

Drawing Rooms: Samples of work in descriptive geometry and drawing.

Chemistry: Chemical Flower Garden; Quartz Apparatus Display. Outside 2-310.

BUILDING 2, SECOND FLOOR

Chemical Engineering: Quantitative Analysis Laboratories, Exhibit, "Children of the Depression"; recent chemical developments.

BUILDING 4, BASEMENT

X-Ray Examination of Metals, 4-041.

Department of Ceramics: Laboratories Open. Brick Making and Pottery, 4-034.

Applied Chemical Research, Room 4-047.

BUILDING 4, FIRST FLOOR

Room 4-138: Exhibition by The Tech; Control Room of radio, telephone and teletype network. Public Address system, news flashes, short wave reports of Crew Race, Track Meets, and Technique Rush.

Room 4-145: Heat Measurements Laboratory.

Freshman Chemistry Laboratories.

BUILDING 4, SECOND FLOOR

Room 4-270: Glass Blowing and Quartz Working Exhibit by Chemistry Department.

Freshman Chemistry Laboratories, Rooms 4-251 and 4-261.

BUILDING 4, THIRD FLOOR

Room 4-370: Demonstration of Chemiluminescence, "Cold Light" and Fluorescence Exhibit.

Geology Exhibit, Mineralogical Exhibit, Crystal Structure.

Room 4-310: Junior Optics Laboratory.

Note: All the Research Laboratories in Building 6 will be open.

BUILDING 6, BASEMENT

Entrance to Spectroscopy Laboratories in insulated building. Diffraction Gratings. Measurement of Spectra.

BUILDING 6, FIRST FLOOR

Demonstration of Glass Blowing by Physics Department, Room 6-120.

BUILDING 6, SECOND FLOOR

Rooms 6-215, and 6-217: Exhibit of Gaseous Discharge.

Room 6-205: "Seeing Sound" with Cathode Ray Tube; Electronics Laboratory.

BUILDING 6, FOURTH FLOOR

Room 6-414: X-Ray Laboratories. Research Laboratories.

BUILDING 8, BASEMENT

Room 8-010: Smelting Scrap Battery Plates, Blast Furnace.

BUILDING 8, FIRST FLOOR

Room 8-130: Ore Crushing and Concentration, Stamp Mills.

BUILDING 8, SECOND FLOOR

Room 8-210: Leaching and Electrolytic Refining; Oil Well Exhibit, Model Well in operation; Exhibit of Modern Ore-Dressing Methods.

Room 8-205: Movies of Oil Wells, Mining.

BUILDING 8, THIRD FLOOR

Room 8-330: Assaying of Gold and Silver Ores, Fire Assay Laboratory.

BUILDING 8, FOURTH FLOOR

Room 8-410: Heat Treatment of Metals and Alloys.

Room 8-434: Microscopic Examination of Metals.

Room 8-403 and Room 8-405: X-Ray Slides, X-Ray Examination of Metals.

BUILDING 10, BASEMENT AND FIRST FLOOR

Rooms 10-050 and 10-150: Dynamo Laboratory: Demonstrations; Behavior of an Alternator under Varying Conditions; Telephone Dial System; Power Angle Measuring Device Using Edgerton Stroboscope; Man Power Machine; Mercury Arc Rectifier; Reversing Motor; Exhibits: Power Taken by Home Appliances; Historical Development of Electrical Machinery.

Room 10-160: Measurements Laboratory: Demonstration of Edgerton Stroboscope; Reaction Timer.

BUILDING 10, SECOND FLOOR

Room 10-250: Edgerton High Speed Motion Pictures. Alternating hours with Chemistry and Physics Lectures by freshmen.

Room 10-267: Course VI-A Exhibit; Examples of Products of Cooperating Companies; Type of Work Undertaken by VI-A men; Publications of the Cooperative Course.

BUILDING 10, THIRD FLOOR

Communications Laboratory: Display of Miniature Broadcasting System; Ultra-Short Wave Transmitters; Transmission of Sound by Light Waves. Room 10-385.

BUILDING 10, FOURTH FLOOR

Department of Biology and Public Health; Laboratories and Exhibits; Model Modern Community; Apparatus Demonstrating Circulation of the Blood; Industrial Fermentations; Flood Movies; Bacteria Metabolism.

BUILDING 11, INFIRMARY

A doctor and nurse are in attendance to care for any illness.

BUILDING 3, BASEMENT

Room 3-050: Steam Laboratory; Apparatus in Operation.

Room 3-003: Electronics Laboratory; Construction of Vacuum Tubes; Automatic No-Drink Fountain; Beauty Parlor; Blow Tester; No-Show Peep Box.

BUILDING 3, FIRST FLOOR

Steam Laboratory: Display of Automobile and Airplane engine parts.

BUILDING 3, SECOND FLOOR

Steam Laboratory.

BUILDING 3, THIRD FLOOR

Machine Tool Laboratory: Lathes, Grinding Machines, Milling, Broaching, Profile Cutting and Automatic Gear Cutting Machines. Room 3-350.

Textile Laboratories: Rooms 3-311 and 3-315.

Room 3-305: Display of Signal Corps equipment.

Room 3-310-A: Display of Coast Artillery Instruments.

BUILDING 5, FIRST FLOOR

Nautical Museum: Display of Ship Models; pieces of Historical Significance. Model Construction.

BUILDING 5, SECOND FLOOR, AND BUILDING 1, SECOND FLOOR

Building Construction. Exhibit of Waterproof Wall Construction; Talking Movies.

BUILDING 1, BASEMENT

Sanitary Engineering Laboratory, Room 1-045: Complete Miniature Water Treatment Plant; Mixing and Sedimentation Basins, Sand Filter, Coagulation, sedimentation and Washing Processes, in actual operation.

Room 1-047: Earthquake Research. New M. I. T. Earthquake Machine; Demonstration of effect of Earthquakes; Models.

BUILDING 1, FIRST FLOOR

Room 1-110: Testing Materials Laboratory; Tensile Tests, Shear and Compression Tests.

BUILDING 1, SECOND FLOOR

Room 1-210: Testing Materials Laboratory.

Room 1-235: Building Construction Exhibit.

Room 1-290: Building Construction Exhibit.

BUILDING 1, THIRD FLOOR

Room 1-310: Testing Materials Laboratory.

Room 1-335: Soil Mechanics Laboratory; Demonstrations of Quicksand, Lateral Pressures; Display of Soil Testing Apparatus.

Room 1-345: Model of Summer Surveying Camp, Surveying Instruments, Airplane Mapping, Model of Hydroelectric Plant, Structural Models.

ENTRANCE 69 MASS. AVE.

Two Busses to be used on Thorne-Loomis Industrial Tour of Europe.

BUILDING 35

Foundry and Welding Laboratories: Demonstration of Welding, Forging, Metal Working, and Founding of Metals.

BUILDING 46

Refrigeration, Heating and Ventilating, and Air Conditioning Laboratories.

BUILDING 33

Aeronautical Engineering Department; Wind Tunnels and Airplane Design; Display of Automobile and Airplane Engine Parts.

BUILDING 31

Automotive Engineering Laboratories. Check Your Car's Speedometer; Performance Tests on Automobile Engines, Tests at 3, 4, 5, and 7 P. M.

BUILDINGS 20 AND 21

River Hydraulics Laboratories: Model of Cape Cod Canal in operation.

CHARLES RIVER

Crew Races for Compton Cup: Harvard, Princeton and M. I. T. competing, 3:00 P. M.

TECH FIELD

Track Meet, M. I. T. vs. University of Maine, 2:00 P. M.

Technique Rush, 4:00 P. M.

WALKER MEMORIAL

Center of Undergraduate Activities with offices of The Tech, The Technology Christian Association, The Tech Engineering News, Voo Doo, M. I. T. Athletic Association, Technique, Tech Show, Musical Clubs, and Institute Committee.

Dining Halls open all day.

Explanation of room numbering system: Room numbers are divided into two parts. The part before the hyphen refers to the building number, while the last three figures after the hyphen designate the number of the room in that building. The first of these three digits refers to the floor. Odd-numbered buildings are on the West side of the great court, while even-numbered buildings are on the East side. Building numbers higher than 11 are in the rear of the main group. When in doubt ask a uniformed guide.

Copper Smelted In Big Blast Furnace

Cottrell Mechanical Rectifier Also To Be In Mining Exhibition

Copper smelting with a blast furnace is being demonstrated in Room 8-010 as a part of the Mining and Metallurgy exhibition.

Copper ore and carbon is fed into the top of the twelve-foot furnace; air is blown into the molten mass through holes in the lower part of the furnace to facilitate combustion, and molten copper is tapped off at the bottom.

A Cottrell mechanical rectifier, working from 60 cycles A. C. furnishes the high potential of several hundred thousand volts needed for smelting. The low potential A. C. is first stepped up by a transformer and then is rectified by the rotary rectifier, which is turned by a synchronous motor operating from the power line.

Scrap storage battery plates are smelted in 8-010 by a process recently developed by Professor Carle R. Hayward. In the past it has been impossible to reclaim lead from old battery plates on a profitable basis because of the expense of eliminating sulphates. Professor Hayward has overcome this difficulty in his new process.

In charge of the Course III exhibitions is Thomas R. Kinraide, '37. Ceramics is being supervised by Norman A. Matthews, '37; electrochemistry, Harry Udin, '37; geology, Robert U. King, '36; metallurgy, Norman A. Birch, '37; physical metallurgy, Blake M. Loring, '37; and petroleum, Leo C. Avondoglio, '37.

High Speed Motion Pictures Exhibited

Drop Formation Photos Taken At 1200 Per Second

Motion pictures of drop formations taken at the rate of 1200 pictures per second under the direction of Prof. Ernst Hauser, of the Chemical Engineering Department are being shown in Room 4-370 at 3:00, 4:00, 5:00, 7:00, 8:00 and 9:00 P. M. They extend over a period of about fifteen minutes.

Through the aid of these pictures a curious phenomenon has been recently observed in connection with the surface tension of a newly-formed surface. Measurements of the tension of a surface one thousandth of a second after it has been formed has been made and it is definitely established that the tension increases according to the length of time the surface has been formed.

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The Tech Exhibits Broadcast System

Broadcasting Network Covers Institute Open House

Students Manage Complete Radio System As Exhibit

Compton Cup Race, Track Meet, Technique Rush, To Be Broadcast

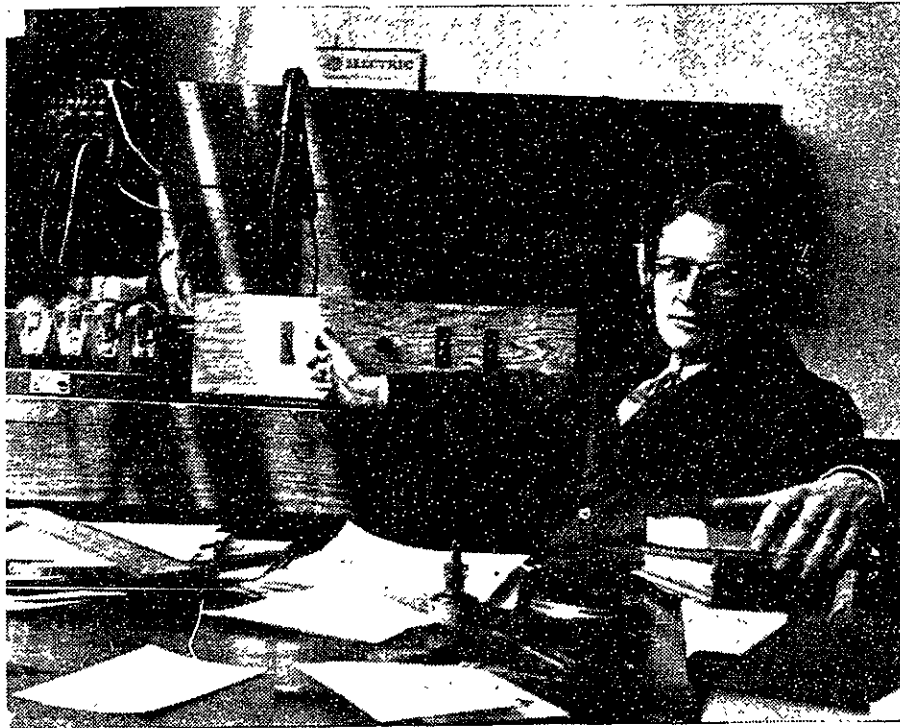
A complete broadcasting system, a miniature of some of the nation-wide networks, are in operation throughout the Institute as the contribution of The Tech in Open House display today. Loudspeakers have been installed in the Main Lobby, in Walker Memorial, and on Tech Field to spread up to the minute news of athletic events and Open House exhibits to the throngs of spectators who are the guests of the Institute today.

The system is said to be the last word in radio broadcasting and affords visitors an opportunity to see the "inside" of radio. The studio in Room 4-136 switches into the Public Address System for the benefit of the "public," word by word descriptions of the boat race direct from a launch on the river, the track meet from the lips of an announcer who follows each event right on the field, descriptions of various spectacular exhibitions and demonstrations from all parts of the Institute broadcast by announcers who walk around talking into a little "box" and are heard by everyone listening into the network stations.

Teletype In Operation

In addition, a teletype system between The Tech news office in the basement of Walker and the main studio of the Technology Broadcasting System will feed a steady supply of stories into the radio control room for broadcast as news flashes. In case of emergency an auxiliary telephone system has been established between all the units in the broadcast to insure adequate communication at all times. Much trouble was encountered in perfecting the short wave system as the numerous high tension electrical exhibits cause a great deal of

Mentor of Broadcast System



Richard L. Odiorne, '36, former Editor of The Tech, who devised and set up the complete radio broadcasting system to supply Open House visitors with up-to-the-minute information on today's events.

interference in the radio ether.

Speakers heard throughout the day include Dick Vincens who will describe the Compton Cup Regatta from a boat on the Charles, Fletcher Thornton, '36, and Francis Peterson, '36, who will follow the progress of the Technique Rush and the Track Meet from the athletic field. Edwin Herbig, Jr., '37, who is the control technician, is in the control room 4-138 to explain the intricacies of the system and to make any unusual announcements not covered by the other various units. In the studio Richard L. Odiorne, Jr., '36, managing director of the network, guides the broadcasts and permit the visitors to see how Jimmy Wallington or Graham MacNamee work.

Thanks

This is the largest exhibit of this type ever attempted in the history of Open House, and The Tech is indebted to all whose cooperation has made possible this exhibition. In particular

Display of Army Guns And Pistols in 1-223

A display of Army ordnance and material is on exhibition in Room 1-223. There are machine guns, pistols, and hand grenades, and several plates and a cut-away model of a rifle to show its construction and operation. Colonel O. J. Gatchell of the Military Science Department is in charge of the display, and is to be present during the day to explain the workings of the various exhibits.

The Tech wishes to acknowledge the co-operation of the superintendent of buildings, the New England Telephone Company, Western Union, the Boston Post, the Electrical Engineering Department, the Signal Corps of the Military Science Department, the Athletic Association, and the Open House Committee.

Ore Dressing Seen In Mining Display

Flotation Concentration Method Is Demonstration In Laboratories

Ore dressing, the process of concentrating valuable ore minerals by the elimination of waste rock, is the feature of the mining engineering display, under the direction of Paul W. Allen, '37. This exhibit in the Richards' Ore Dressing Laboratories, Rooms 8-130 and 8-230, consists of an exhibition of modern ore dressing methods.

In the past the stamp mill method has been demonstrated, but this year there is a general flotation run. The process follows. First, the ore is fed into a rod mill, consisting of a barrel rotating on a central axis and filled with iron rods which mash the ore as the barrel revolves. Water is then added to the ore to form a pulp, and the pulp is fed into a Dorr classifier, which separates the fine pulp from the coarse, the latter of which is run back through the rod mill.

Callow Cell Used

The fine material overflows the top of the classifier, and after flotation reagents are added, the pulp is run into a conditioning tank, where it is agitated by rotor blades. The pulp then goes into two Callow flotation cells whose product is the valuable concentrated ore. In the Callow flotation cell a froth is produced which wets the valuable sulfides, adhering to the froth. The froth, being light, comes to the surface, carrying with it the valuable ore, which is run off the top of the cell. The waste products or tailings go to the bottom and are drained off.

A Wilfley table, which separates the ore by a vibratory action, is also being run, treating a zinc ore. One of the most valuable parts of the ore is willemite, which fluoresces under ultra-violet light, and so a source of ultra-violet light has been arranged over the table in order to produce fluorescence of the valuable ore particles.

Model Community With Water Supply Shown by Biology

Other Apparatus Demonstrates Circulation Of Blood; Vinegar Made

Flood Motion Pictures Shown

The Biology exhibit features a model on the fourth floor of Building 10.

The model, six by four feet, concerns mainly the water supply and sewage disposal. The village is situated at the foot of a small mountain. The water supply comes from a dam on the top of the mountain in which the water is purified. It is conducted through a filter into the aqueducts to supply the village, the houses of which were designed along lines of modern architecture.

The plumbing of the individual houses is demonstrated on one of the buildings. Through the exposed cross-section of one house, the sewage line is traced via the pipes into a modern sewage disposal plant and thence into a river.

Cow's Heart Beats

In an apparatus which demonstrates the circulation of the blood, a living animal heart pumps the blood through the capillary tubes. The living heart comes from a cow and may be kept beating for the duration of Open House. In the same exhibit, the heart-beat of a rodent is broadcast through an amplifier.

A part of the exhibit is devoted to industrial fermentations. Demonstrations of the manufacture of vinegar and citric acid are to be supplemented by a continuous alcohol generator.

In the course of the afternoon, moving pictures of the recent floods will vividly portray the ravages wrought in New England.

Bacteria Metabolism is to be demonstrated by measuring the amount of carbon dioxide and other substances consumed by bacteria culture.

CHAUNCY HALL SCHOOL

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One hundred and eight years of accumulated experience in preparing students for higher educational institutions is available to Chauncy Hall students, the past forty-one years having been confined to specializing for the Massachusetts Institute of Technology. That the school is successful is demonstrated by the fact that during the past sixteen years students from thirty-eight foreign countries and forty-three of the United States have attended Chauncy Hall School.

Experience shows that failure on the part of students after entering the Institute is usually due to insufficient preparation rather than to the difficulty of the Institute courses.

Students who have successfully met Chauncy Hall requirements have no difficulty in carrying the Institute courses efficiently and creditably.

The thoroughness of the preparation given at this school is demonstrated by the fact that although the enrollment here is limited to one hundred and twenty-five students, we have had as many as one hundred and forty-two Chauncy Hall prepared students in attendance at the Institute during a single year.

At Chauncy Hall students are trained in correct methods of study, accurate habits of observation, sound reasoning, and clarity and conciseness of expression. In addition to thorough preparation in the entrance requirements, special training is given in Mathematical and Scientific subjects beyond secondary school work, such as the efficient use of the slide rule, the art of report writing, the correct use of Laboratory instruments, the theory of error and precision of measurement.

Students planning to enter the Institute are advised to take an extra year of preparation at Chauncy Hall rather than to begin work handicapped by "Conditions" or by "Cram" courses taken during the summer.

If you desire the advantage of such training, write or telephone for an appointment.

FRANKLIN T. KURT,
Principal.

553 Boylston Street
Boston, Massachusetts

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THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers courses in the following fields of study:

Architecture	School of Architecture	City Planning
	Architectural Engineering	
	School of Science	
Biology and Public Health		Chemistry
Options: Biology		General Science
Biology and Public Health		Geology
Industrial Biology		Mathematics
Public Health Engineering		Physics
	School of Engineering	
Aeronautical Engineering	General Engineering	
Building Engineering and Construction	Mechanical Engineering	
Business and Engineering Administration	Options: Automotive Engineering	
Options: Chemical Engineering	General	
Civil Engineering	Power	
Industrial Practice	Production	
Mechanical Engineering	Refrigeration and Air Conditioning	
Chemical Engineering	Textile	
Chemical Engineering Practice	Military Engineering	
Civil Engineering	Mining Engineering and Metallurgy	
Options: General	Options: Metallurgy	
Geodesy and Seismology	Mining Engineering	
Hydroelectric	Petroleum Production	
Transportation	Physical Metallurgy	
Electrical Engineering	Naval Architecture and Marine Engineering	
Communications	Ship Operation	
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Each of the above courses is of four years' duration, with the exception of Architecture, City Planning, and the Co-operative Course in Electrical Engineering. These three courses extend over a period of five years.

A five year course is offered which combines study in Engineering or Science and Economics or other social sciences. This leads to the degree of Bachelor of Science in the professional field and the degree of Master of Science in Economics and Engineering or Science.

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Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding approximately to at least one year's work at the Institute, are admitted to such advanced standing as is warranted by their previous training, and are given credit for our required subjects, including the entrance requirements, so far as they have been satisfactorily completed.

The Summer Session extending from June to September includes most of the subjects given during the academic year.

For information about the methods of admission from secondary schools, communicate with the Director of Admissions.

Any of the following publications will be sent free upon request:

Catalogue for the academic year
Summer Session Catalogue
Architectural Education—Undergraduate and Graduate
Educational Opportunities at the Massachusetts Institute of Technology.
The Graduate Schools of Science and Engineering

Correspondence should be addressed to the Director of Admissions

Aeronautic Dept. Displays Prize- Winning Model

Small Wind Tunnels And Model
Pneumatic Tank Now
In Operation

Model Planes Will Fly

A demonstration of freshman Leo A. Weiss prize winning model aeroplane is one of the highlights in the Aeronautical Department's display today. In addition, both the large and the small wind tunnels are in operation all afternoon.

A model pneumatic tank so arranged as to show the effects of streaming fluids on airplane models is also on display under the direction of William F. Milliken, Jr., a member of the faculty.

Weiss Is Champion

Leo Weiss, a freshman in the Aeronautical Engineering course is the winner of the national power models championship. In this championship event were registered 350 contestants.

At nine in the morning of the eventful day, the first of the 350 planes soared upward. In an hour, most of the planes had cracked up; Weiss' plane was pursued over hill and vale until finally it disappeared across the Mississippi.

A few days later the model was found twenty miles away by a farmer.

Amateur Aeronaut



Staff Photo
Leo A. Weiss, '39, with his prize-winning model plane

Weiss had won the national championship. It is this plane that is displayed today in the Gugenheimer Aeronautical Laboratory in one of the wind tunnels and is run by automatic electrical controls.

Other Tunnels

Two smaller wind tunnels are also on display, one of which is a boundary layer tunnel, the other an experimental tunnel of elliptical cross-section. The customary display of safety devices and aeroplane design is on the third and fourth floors of the building. Power model planes will be put to flight during the course of the afternoon. All the work is done by students under the direction of Joseph Bicknell and James Kendrick of the department.

Freshman Hobbies

(Continued from Page 1)

One of the most unusual exhibits is that of the aeronautical committee. In one room are shown models of airships, ranging in size from several inches to several feet, while in another room there is a continuous display of model building. In the same room there is a display of pictures, photographs, and drawings collected by the students.

In connection with the radio exhibit, visitors will be permitted to send messages from Building 10 to the Freshman Hobby Exhibit in Building 2, where they will be received. Two small transmitters are located in the lobby of Building 10. As an added feature, illustrated talks on the history of communication will be given, an information official being prepared to answer questions.

The art of photography is represented by displays of compositions and by the exhibition of the process of developing films. A picture of some feature of the Institute will be developed before the visitors and given to them as souvenirs.

"Rube Goldberg" fantastic models consisting of various contraptions to give clear solutions of complicated calculus problems, to dispel egotism, to awake painlessly, and to otherwise make more pleasant the life of the undergraduate at the Institute, are placed for inspection and operation by visitors.

Cape Cod Canal

(Continued from Page 1)

neers. The model is in operation this afternoon and evening, and at frequent intervals engineers speak through the local public address system explaining how it works.

The model is not merely for exhibition and instruction, but has a very practical purpose. The Cape Cod Canal is now being enlarged to six times its former size, and the research on the model is being carried on by the Civil and Sanitary Engineering Department for the Corps of Engineers, U. S. Army, in order to obtain information which is essential for the building of the actual canal.

Nine and One-Half Feet Tide Rise

In Cape Cod Bay the tide rises nine and a half feet from low to high tide, while in Buzzards Bay the tidal range is only four and one half feet. Moreover the tide in Buzzards Bay is high three hours before the tide in Cape Cod Bay. Consequently very strong currents are set up in the canal; these are a serious problem to navigation. The new canal will be 40 feet deep and will have a bottom width of 500 feet; hence the strength of the currents will

(Continued on Page 10)

Cape Cod Canal

Physics

Mathematics

Thermodynamics

Applied Mechanics

Electrical Engineering

ENTRANCE PHYSICS & MATH.

THE ASSOCIATED TUTORS

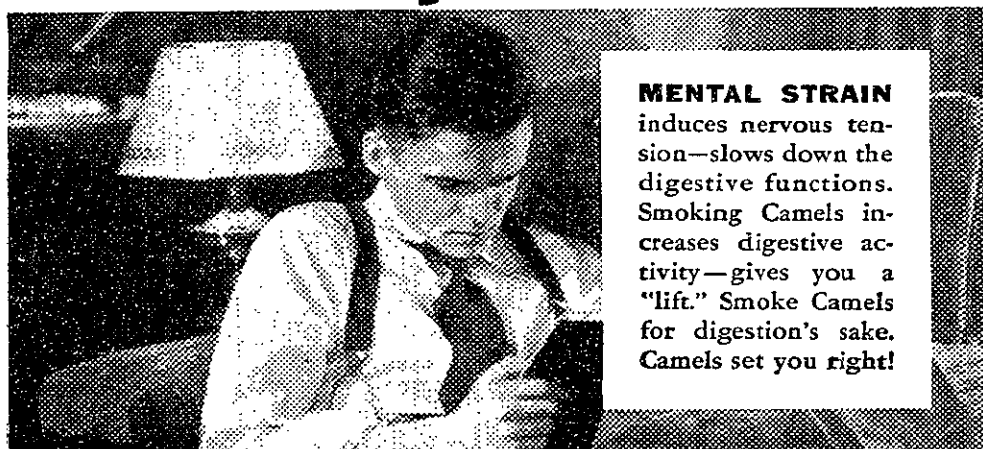
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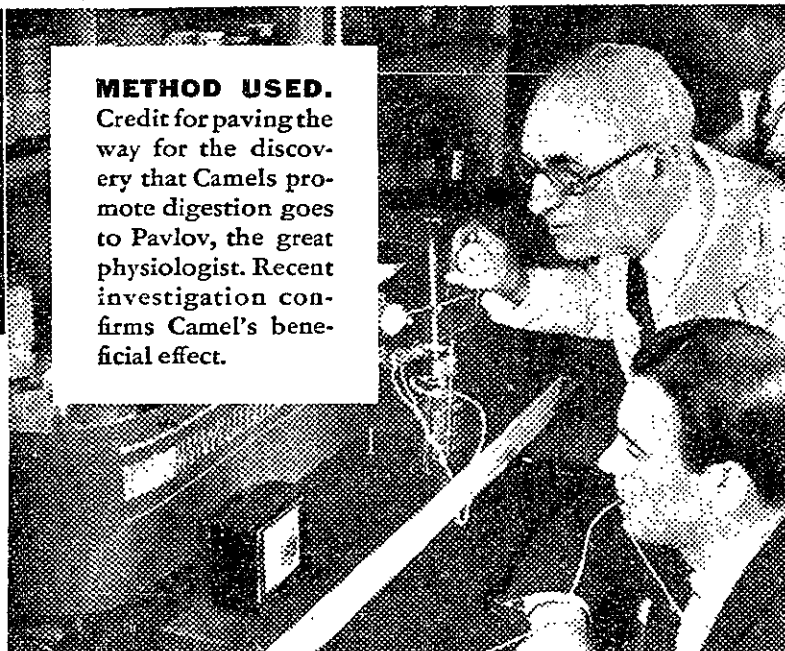


Dining de Luxe at Pierre's, New York

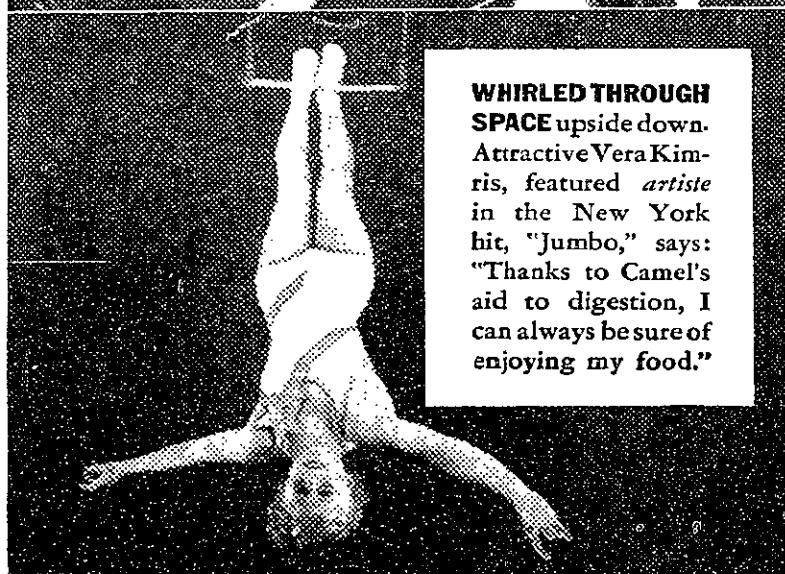
What will you have? It's pleasant to imagine. Perhaps *Borsch Polonaise* to start. Then *Suprême of Halibut à la Russe*, Braised Lettuce, and String Beans *au Gratin*. Then...a Camel...a crisp salad...a Camel again...and an ice with *demi-tasse* and...Camels! Camels are part of the art of dining today. They stimulate digestion—add to the sense of well-being every one should have after dining. M. Bonaudi (*above*), the banquet manager of Pierre's, who handles many of New York's smart "deb" parties and other exclusive society functions, says: "Camels are by far the most popular cigarette here."



METHOD USED.
Credit for paving the way for the discovery that Camels promote digestion goes to Pavlov, the great physiologist. Recent investigation confirms Camel's beneficial effect.



WHIRLED THROUGH SPACE upside down. Attractive Vera Kimris, featured *artiste* in the New York hit, "Jumbo," says: "Thanks to Camel's aid to digestion, I can always be sure of enjoying my food."



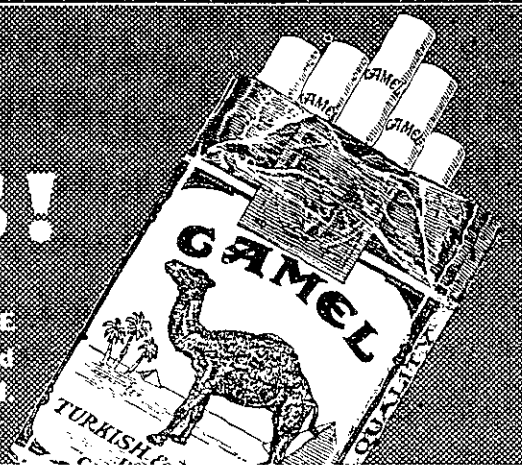
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8:30 p.m. M. S. T.
7:30 p.m. P. S. T.—over
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Compton Cup Crew Races to be Run on Charles Today

Princeton Is Favored To Win Honors Again This Afternoon

Harvard Untried As Yet This Year; Tech's Second Attempt

Technology Greatly Improved During Last Week Of Practice

Technology's hopes of taking the Compton Cup Races on Open House Day seem slight, but it is certain that the crews will supply better competition than last year. The Varsity boat, consisting of five Sophomores and three Juniors, is inexperienced, and is not really prepared for the test on Saturday.

The reason for this condition is mainly the lack of practice. The boats are on the river only about an hour each day, and the present poor weather is not helping much. The lack of height and weight will also handicap the varsity shell. The average weight is 170 pounds and the average height is less than six feet one. Captain Ferguson and Bob Thorson are the only veterans from last year's eight. However, the men showed marked improvement during their much-needed practice sessions this week.

The Jayvees, 150-pounders, and freshmen are also rather inexperienced, and their time trials do not seem sufficient evidence to justify any extravagant hopes for victory from them. Of the three squads, the Jayvees have the best chance of coming through with a win.

The lineups for the Technology crews are: Varsity—Smith, coxswain; Captain Ferguson, Wilson, Glacken, Thorson, Chapin, Kohl, Coombs, and Weir; Jayvee—Hunt, coxswain; Pierce, Haggerty, Birch, Hazeltine, Wilcox, Beamon, Montgomery and Hoke; 150-pound crew—Biaucardi, coxswain; Bergen, Beckwith, Clifford, Ihmels, Guindon, Foote, Piel, and Atwater; Freshman—Vyverberg, coxswain; Guy, Bross, Beter, Smith, Holbrook Hammell, Hodgson, and Cella.

Harvard Crew Prospects

With four lettermen, three Sophomores, and one Senior who has been on the squad since he rowed Yale in his freshman year, the Harvard crew looks forward with some degree of confidence to the Compton Cup Regatta here today.

In spite of being rough in many respects, and checking when it should not, the crew which will line up beside the Tigers and Beavers for the mile and three quarters is far superior to the one Harvard entered last year. The members of the Varsity shell are: Bennett, coxswain; Austin, Beane, Wolcott, Erickson, Eliel, J. Clark, Captain R. Clark, and Chace.

Beaver's Best Bet



Staff Photo
Capt. Stanley Johnson, '36, holder of the Technology broad jump record

Engineers Meet Maine in Track This Afternoon

Johnson, Guerke, and McLellan Expected To Star For Technology

University Of Maine Reputed Strong In The Field Events

Beavers Have Highest Hopes In Broad Jump And Long Race Events

Stan Johnson, Henry Guerke, and Dave McLellan are expected to star today in the track meet with the University of Maine here at 2:00 o'clock. Walter Nygaard is counted upon to show up well for Technology in the 100-yard and 200-yard dashes. The Engineers' strongest hopes lie in the 440-yard and 880-yard runs, the mile and two-mile races, and the broad jump.

On Open House Day last year, the Beavers met Bates College and defeated them 89 2-3 to 45 1-3. Stan Johnson, Walter Nygaard, and Dave McLellan were high scorers for Technology.

In the meet with Maine this afternoon, Johnson and Albert Faatz are favorites in the 120-yard high hurdles and 220-yard low hurdles. Nygaard and Runkel are strongest in the 100-yard dash, and in the 200-yard dash, McLellan and Nygaard are the favorites. McLellan and Cude make the 440 one of the Engineers' best chances, while it is hoped that Sabi and Cooper will star in the 880-yard run.

Guerke In Two-Mile Run

Guerke will enter the one-mile event with Cooper, but his best showing will be made in the two-mile run. Kites and Stan Johnson, Technology record holder, are the best bets in the broad jump, in which event Technology expects to gain some of its points. The Beavers' hopes are not so high in the other field events. Brown and Brewer in the javelin throw, Kinraide in the hammer throw, Brown in the shot-put, and Graham in the discus throw look the most hopeful of the Technology entries. Kites and Donnan look good in the pole vault, and Ray has the best chance in the high jump.

Maine Team Strong

The University of Maine has the strongest team that it has had for many years. They are expected to do especially well in the field events. Bell has thrown the javelin 196 feet, bettering the Technology record. In the discus throw, Frame has done 130 feet, over one foot more than the Institute mark.

SPORTS COMMENT

On the sports program for this afternoon the centers of interest should be Tech Field and the Charles River. Over on Tech Field Coach Oscar Hedlund's track team meets the University of Maine track and field forces, while out on the river the Tech crews row against Princeton and Harvard in the main attraction. Dinghy races will complete the aquatic sports display.

Stan Johnson, captain of the Tech track team, is probably the most outstanding individual performer who will participate in the sports events today. Stan has been a star in the broad jump throughout his four years at Tech, and, in addition, is no slouch when it comes to hurdling. The Tech leader is the present holder of several broad jump records, most notable of which probably is the indoor Intercollegiate title. Just last Saturday he set up a new mark in the meet against Bates, Johnson, besides annexing first place in the jump, also led the field in both hurdle events. So if you go over to Tech Field this afternoon, don't overlook the jumping pit, for Tech's star leaper may be a member of the American Olympic track team that will compete at Berlin this summer.

Although it was not possible to arrange for the crew meet to be broadcast over a Boston radio station, as had originally been hoped, both this and the track meet will be sent out over the local Institute amplifying system. Twelve boatloads of oarsmen will pull down the river this afternoon in four races, so if you never have seen an intercollegiate crew race, you have a fine opportunity.

Fencers Complete Successful Year

Team Defeated Norwich, Saint Johns, B.C., Princeton, And Rutgers

Technology's 1936 fencing team, coached by John Roth and captained by Rudolph Ozol, '36, has just concluded a very successful season. Its defeated opponents include Norwich, Boston College, Princeton, Rutgers, Saint John's and the Providence Fencing Club. It was only by the narrowest of margins that Harvard and Columbia escaped a like fate.

The fencers traveled to New York City to participate in the Intercollegiate and made a showing that surpassed that of any recent Tech team, although the importance of this latter feat is only relative.

Dantona New Captain

The men responsible for this fine record are Capt. Rudolph Ozol, '36, foil and saber; Andre Laus, '37, sword and foil; Captain-elect Leo Dantona, '37, foil and saber; Jerome Salny, '37, saber; David Bartlett, '37, foil and sword; Richard Rosenberg, '37, sword; Will Toorks, '36, foil; C. Ceballos, '38, saber.

Tech Lacrosse Team Defeated by Harvard

Andover Trounces Tech Freshmen Wednesday, 17 to 1

The varsity lacrosse team lost to Harvard, 6-0, Wednesday afternoon at the Coop Field. Theoretically it was a moral victory for Tech, because Harvard beat Brown, 17-1, and Brown beat Tech, 14-1. Actually the game was hard fought and every goal was earned by the visitors.

The Technology defense was outstanding considering the fact Harvard had possession of the ball most of the time. The Institute goalie, Hamilton, turned in a finished performance.

The Harvard team was clearly superior in stickwork and condition, yet the score was only 2-0 at the half. Gidley, star varsity forward, was injured in practice Monday and was unable to participate. This caused a revision in the lineup.

After tying Tufts 2-2 in its opener the freshman lacrosse team ran up

against a Tartar in its second game of the season, and was soundly trounced by Andover, 17-1. The score was tied at 0-0 for thirty-six seconds, then Andover forged ahead. Again it was tied at 1-1 at the fifty-nine second point. After that Andover settled down and rained in nine tallies before the half was finished.

Freshened by the intermission, and with the first half's experience under its belt, the freshman team held Andover scoreless in the third quarter; but later tired because of lack of replacements, the visitors scored seven more goals. The attack functioned very well despite Andover's possession of the ball.

Successful Season Is Forecast For Netmen

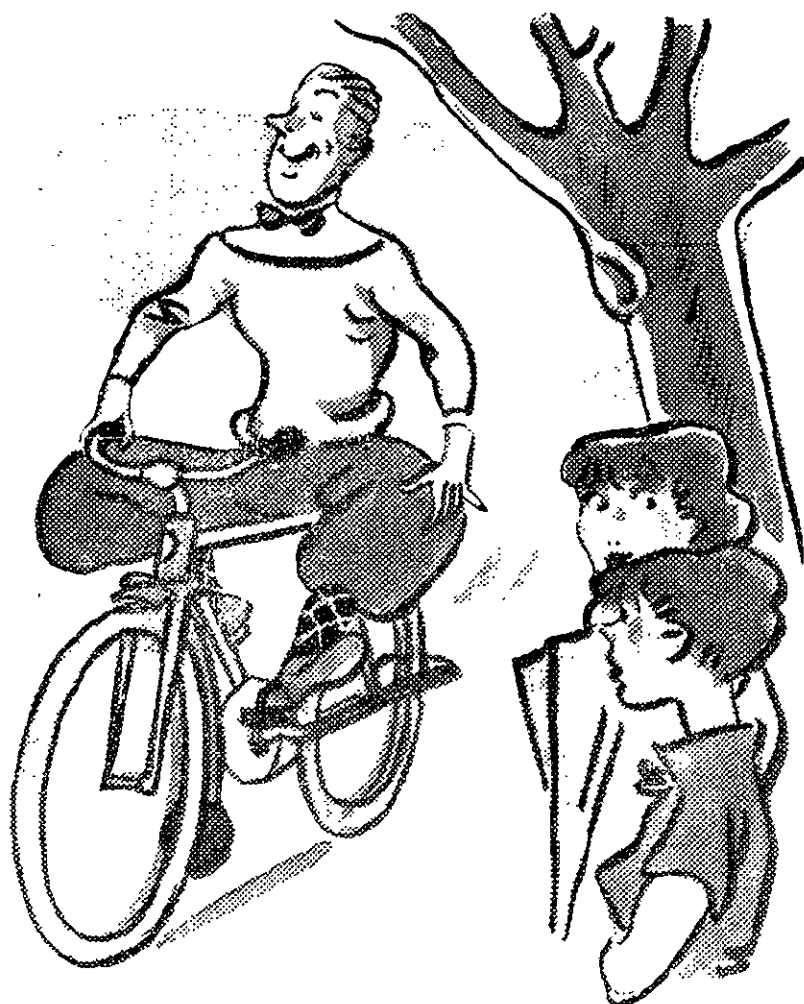
Veteran Nucleus Is Basis For Technology Optimism

The veteran tennis team with two matches under its belt seems headed for a successful season. Captain Scott Rethorst, Cliff Lytle, Tom Terry, and Irving Newman form the experienced nucleus, while Oldfield and Stearns of last year's frosh team help to strengthen the netmen's prospects.

The racquet wielders showed good form in their opener, winning from Brown by five to four. Their next meet was with Yale last Monday at New Haven. The Yale team proved themselves to be far superior to the Beavers and were able to take all the matches, the final score was nine to nothing. This disastrous meet, however, cannot be taken as a measure of the ability of the men for their morale was lowered by the news that Gil Hunt, who reached the finals in the intercollegiate a few years back would not play this year. Also Yale has an extraordinary good team this season.

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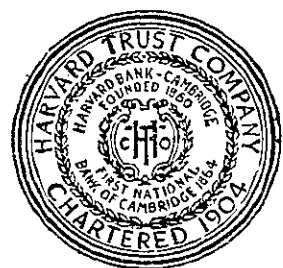
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Open All Summer—Visitors Welcome

I. F. C. Dance

(Continued from Page 3)

the dancers retired after gliding beneath soft colored lights sweeping over the ballroom floor. Each fraternity had one or more tables reserved. In view of cooperation received from the Dormitories, tables were also reserved for both their graduate and undergraduate members and guests. Fraternity emblems hung about the hall, and above the orchestra was a tremendous banner bearing the word "Technology."

Although the dance was arranged and managed by the fraternities, commuters and dormitory residents supported the affair.

A special tabloid issue of The Tech, in the style of the Daily Mirror was released at the dance.

Chaperones

The chaperones were: Dr. and Mrs. Karl T. Compton, Prof. and Mrs. Erwin H. Schell, Prof. and Mrs. Carl Bridenbaugh, Prof. and Mrs. Albert A. Lawrence, Mr. and Mrs. Horace S. Ford, Mr. and Mrs. Oscar F. Hedlund, Prof. and Mrs. Ralph G. Hudson, and Prof. and Mrs. Alvin Sloane.

The dance committee was headed by David E. Varner, '36, of the Delta Kappa Epsilon fraternity. Other members assisting were: Thomas P. Nelligan, '36, Sigma Alpha Epsilon; Gordon C. Thomas, '36, Phi Gamma Delta; William W. Garth, '36, Kappa Sigma; Alfred E. Busch, '37, Delta Kappa Epsilon, and William J. McCune, Jr., '37, Phi Kappa Sigma.

Tech Show

(Continued from Page 3)

elected Production Manager and Treasurer, respectively.

The elections were approved by the Institute Committee on Thursday, as were the following selections: Wenzel Wochos, '38, in charge of music; Stuart Paige, '39, Music Assistant; Earl B. Wilkinson, '39, Lighting; Edward Mosehaur, '37, Publicity; Charles H. Little, '38, Cast Manager; and Robert C. Eddy, '38, Costumes.

Sophomore Wins Edgeworth Contest

Drawings Made By Jack Benny; Other Prize Winners Announced

Willard Roper, '38, was drawn the first prize winner of the Edgeworth Junior Campaign, it was announced by Voo Doo yesterday. The drawings were made by Jack Benny and Mary Livingstone, who recently played at the Metropolitan theatre. Roper will receive an Olde London pipe and a dozen cans of tobacco.

The second prize, a pipe and six cans of tobacco, goes to Wilbur Rice, '38; Stuart Stearns, '38, is the winner of third prize, a pipe and three cans of tobacco.

Consolation prizes of two cans of tobacco each were awarded to Anthony Chmielewski, '38; Abbott Byfield, '38; Earl E. Larson, '39; James W. Montgomery, G; C. Olson, and N. G. Tompkins, '37. Prize winners may receive their awards by presenting their stubs at the Voo Doo office.

Senior Week

(Continued from Page 3)

The Senior Week activities begin with the Senior Banquet on Friday, June 5, followed by an all-request Pops concert in Symphony Hall on Saturday, June 6. The entire first floor of the hall has been reserved for the Seniors and their guests. On Sunday, the Seniors will attend the Baccalaureate Service at Old South Church, when the Reverend R. H. Stafford will deliver the baccalaureate sermon.

Class day activities on Monday will be held in conjunction with the Alumni Day features scheduled for the same day. After the activities there will be a tea dance in Walker Memorial.

Commencement exercises will be held on Tuesday, June 9, in Symphony Hall. Immediately afterward, the President's reception in Walker follows. The Senior Ball, that night, winds up the affairs of Senior Week and the college careers of the graduates.

Drawing Voo Doo Winners



Staff Photo
Jack Benny and Mary Livingstone drawing the winners in the Voo Doo Edgeworth contest.

Elections

(Continued from Page 3)

Richard Young and John R. Ferguson members of the Institute Committee, with John M. Gallagher, Jr., and Leonard A. Seder, alternates. Robert Y. Jordan was elected alternate president.

The Sophomore class elected William F. Shuttleworth vice-president with Archer S. Thompson, alternate; George E. Hadley, secretary-treasurer and Francis T. Clough, alternate, and John J. Wallace and D. Donald Weir, Institute Committee members, with Frederick E. Strassner and Harding B. Leslie, alternates. Richard Muther is alternate to the president.

Robert B. Wooster is vice-president

of the class of '39, with Charles F. Hobson, Jr., alternate; Stuart Paige, secretary-treasurer, with Edwards R. Fish, alternate, and Harold Chestnut and David S. Frankel, members of the Institute Committee, with William F. Pulver and Richard S. Leghorn, alternates. Millard B. Hodgson was elected alternate president.

In the Senior class John C. Austin won the position of permanent president, unopposed, and Anton E. Hittl, permanent secretary with William W. Garth as alternate. Elected to the Beaver Key Society were Anthony Chmielewski, Cornelius K. Coombs, Francis J. Kearny, Frederick J. Kolb, Harrison Phinizy, William F. Shuttleworth, Richard B. Young, and Donald Weir.

Peace Conference

(Continued from Page 3)

nology on the problem of war and its solution. The meeting was conducted on a completely impartial footing.

and equal opportunity was given for all sides of the question to be discussed. The meeting was held with the cooperation of all the major organizations at the Institute, including the Dormitories, Fraternities, Commuters, Institute Committee, Technology Christian Association, and Combined Professional Societies.

The committee in charge comprised Leonard A. Seder, '37, chairman; Arthur M. York, '37; Walter T. Blake, '37; Gerald G. Loder, '37; John M. Simpson, '37; Brenton W. Lowe, '36; Philip R. Scarito, '37; Claxton Monro, Jr., '36; John J. Wallace, '38; Emanuel Rapoport, '36; James F. Patterson, '36, and Josiah S. Heal, '37.

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Man Power Machine

Many of the first models of newly-invented electrical apparatus, some by men like Elihu Thomson and Edison, are on display and are being demonstrated in action. Some of the biggest electrical machines developed from these small beginnings.

Transmission lines, operating at high voltages, are subject to many failures, as well as interference from lightning. These troubles are demonstrated in miniature, and remedies tried out to show their effectiveness.

Spectroscopy

(Continued from Page 1)

than any other in the world.

The building housing the laboratories has been especially built to provide a minimum of vibration and temperature change; in reality, it is double, consisting of a heavy brick shell enclosing a dead air space, with eight inches of cork surrounding a concrete interior. The heavy insulation insures temperatures so constant that the interior air would not change one degree if all heat were shut off for three weeks. In such a building, the freedom from temperature changes and vibration allow measurements to be conducted with an accuracy unknown. Much valuable research has already been done, and plans call for a more extended program in the future.

Professor George R. Harrison, director of the spectroscopy laboratories and inventor of the machine for measuring spectral lines is in charge of the exhibit. Besides the spectrographs and other apparatus is shown the emission spectra of the elements, the particular wavelengths of light that energy changes within the atoms of each element cause it to emit.

Cape Cod Canal

(Continued from Page 7)

be greatly increased. By studying the tides in the model, research engineers hope to find not only some means of reducing the currents, but also the velocity of the flow, which is 40 to 50 percent greater than in the old canal.

Nature Imitated

The tides in the model are made to rise and fall as they do in nature—except that they are greatly speeded up—by electrical devices designed by Professor Harold L. Hazen, of the Electrical Engineering Department. The level of the water is maintained at its proper height by large metal plates placed near the surface of the water at various places and by a system of relays. The metal and the surface of the water act as plates of a condenser when a high voltage is impressed across them. When the sur-

face of the water rises or falls, the capacity of these condensers is changed; the relays operate, and the level of the water is brought back to its proper height.



A simple way to secure Dependable Insurance at a fair price is to ask your agent or broker for a policy in either the BOSTON INSURANCE COMPANY or the OLD COLONY INSURANCE COMPANY.

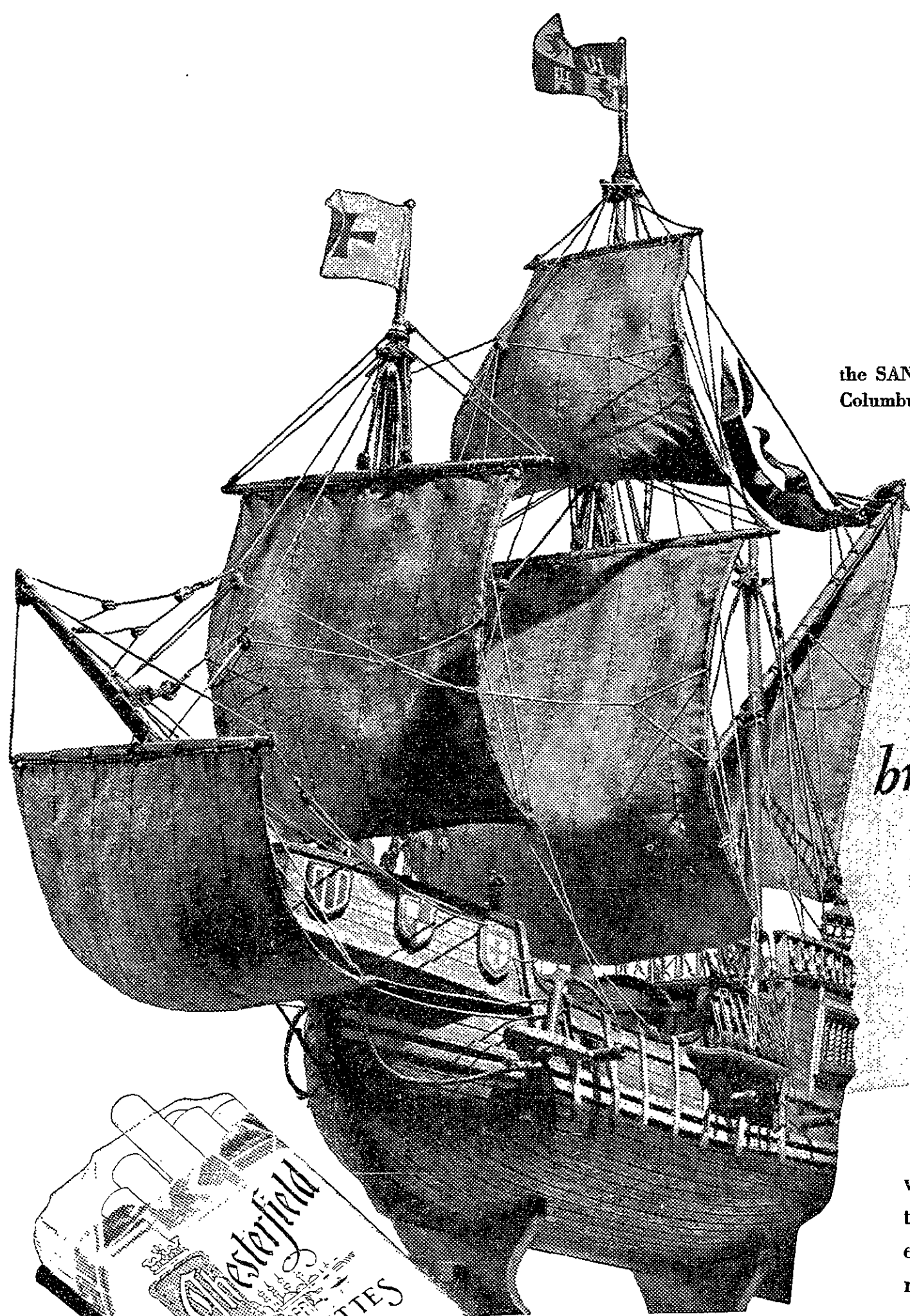
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